Gene No.	84841	Strand	
Start	2346	End	3342
Name	OJ991226_47.0309.C5.o1.ts	Method	TBLASTX:Soybean
Start	2388	End	3219
GI	none	Score	568
Exons	2388..2792, 2390..2662, 2392..2793, 2530..2793, 2652..2798, 2793..2942, 2794..2949, 2816..2959, 2963..3217, 2975..3217, 2988..3218, 3001..3219		

Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84841	Strand	
Start	2346	End	3342
Name	OJ991226_47.0309.C5.o3.tc	Method	TBLASTX:Cress
Start	2708	End	3074
GI	none	Score	88
Exons	2708..2788, 2708..2755, 2715..2792, 2715..2798, 2716..2832, 2772..2954, 2793..2942, 2797..2955, 2798..2959, 2816..2959, 2963..3070, 2963..3070, 2988..3074, 3016..3072		

Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84841	Strand	
Start	2346	End	3342
Name	OJ991226_47.0309.C5.o4.tc	Method	TBLASTX:Cress
Start	3095	End	3342
GI	none	Score	49
Exons	3095..3145, 3105..3146, 3117..3152, 3147..3236, 3147..3188, 3148..3240, 3149..3226, 3237..3269, 3268..3342, 3300..3341		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o8.ts	Method	TBLASTX:Soybean
Start	1	End	254
GI	none	Score	40
Exons	1..39, 1..36, 27..65, 76..213, 80..232, 80..214, 81..254, 87..251		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o6.ts	Method	TBLASTX:Soybean
Start	454	End	869
GI	none	Score	105
Exons	454..681, 459..683, 461..679, 698..826, 698..832, 702..836, 703..846, 833..868, 834..869		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o8.tm	Method	TBLASTX:Maize
Start	647	End	1250
GI	none	Score	153
Exons	647..886, 702..989, 1059..1250		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054

Name	OJ991226_47.0309.C6.o10.tc	Method	TBLASTX:Cress
Start	702	End	1259
GI	none	Score	155
Exons	702..989, 740..886, 1059..1259, 1151..1258		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o3.ts	Method	TBLASTX:Soybean
Start	1172	End	1988
GI	none	Score	437
Exons	1172..1384, 1173..1505, 1245..1532, 1360..1533, 1514..1633, 1531..1983, 1533..1988, 1534..1983, 1574..1987		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o7.tc	Method	TBLASTX:Cress
Start	1272	End	1671
GI	none	Score	323
Exons	1272..1511, 1278..1511, 1369..1533, 1540..1671, 1542..1670, 1543..1671		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o10.tm	Method	TBLASTX:Maize
Start	1892	End	2061
GI	none	Score	59
Exons	1892..1939, 1893..1940, 1894..1947, 1900..1941, 1941..2009, 1942..2007, 2016..2057, 2018..2059, 2026..2061		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o11.tc	Method	TBLASTX:Cress
Start	1966	End	2247
GI	none	Score	270
Exons	1966..2247, 1974..2192		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o7.ts	Method	TBLASTX:Soybean
Start	2073	End	2526
GI	none	Score	43
Exons	2073..2132, 2104..2133, 2134..2259, 2134..2208, 2230..2334, 2247..2486, 2256..2441, 2269..2481, 2482..2526, 2485..2523		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o6.tc	Method	TBLASTX:Cress
Start	2336	End	2757
GI	none	Score	52
Exons	2336..2383, 2337..2441, 2353..2757, 2392..2757		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o2.tc	Method	TBLASTX:Cress
Start	2769	End	3513
GI	none	Score	377
Exons	2769..3200, 2769..3209, 2770..3216, 2854..3210, 3263..3511, 3277..3513, 3279..3512		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o5.ts	Method	TBLASTX:Soybean
Start	3043	End	3485
GI	none	Score	218
Exons	3043..3210, 3059..3208, 3078..3209, 3251..3481, 3261..3398, 3268..3483, 3279..3485		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o5.tm	Method	TBLASTX:Maize
Start	3154	End	3487
GI	none	Score	82
Exons	3154..3210, 3156..3209, 3251..3487, 3261..3398, 3268..3486		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	3486	End	6449
GI	none	Score	99
Exons	3486..3560, 3490..3564, 3493..3564, 3689..3736, 3693..3737, 3755..3787, 3785..4492, 3786..4145, 3787..4494, 4488..4613, 4489..4638, 4490..4618, 4625..5377, 4638..5378, 4639..5385, 4849..5379, 5382..5438, 5385..5534, 5392..5535, 5393..5596, 5504..5674, 5529..5672, 5545..5673, 6100..6384, 6101..6382, 6174..6449		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o7.tm	Method	TBLASTX:Maize
Start	3489	End	3985
GI	none	Score	140
Exons	3489..3590, 3490..3594, 3490..3591, 3689..3736, 3693..3737, 3755..3787, 3785..3985, 3787..3984		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o13.tc	Method	TBLASTX:Cress
Start	3525	End	3877
GI	none	Score	81
Exons	3525..3590, 3526..3582, 3698..3748, 3702..3749, 3788..3877, 3790..3876		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o3.tc	Method	TBLASTX:Cress
Start	3880	End	4273
GI	none	Score	595
Exons	3880..4272, 3881..4273		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o2.tw	Method	TBLASTX:Wheat
Start	4573	End	5017
GI	none	Score	634
Exons	4573..5016, 4574..5017, 4574..5017		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o5.tc	Method	TBLASTX:Cress
Start	4718	End	5134
GI	none	Score	387
Exons	4718..5128, 4719..5129, 4719..5132, 4724..5134, 4849..5133		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o9.tc	Method	TBLASTX:Cress
Start	5148	End	5664
GI	none	Score	225
Exons	5148..5357, 5149..5367, 5150..5386, 5150..5371, 5408..5662, 5473..5655, 5518..5664		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o1.gp	Method	AAT/GAP
Start	5391	End	5476
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	5391..5476		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o6.tm	Method	TBLASTX:Maize
Start	5644	End	6005
GI	none	Score	138
Exons	5644..5766, 5651..5791, 5653..5766, 5660..5767, 5663..5737, 5664..5711, 5665..5736, 5681..5737, 5687..5797, 5691..5789, 5695..5742, 5696..5791, 5696..5797, 5700..5801, 5726..5800, 5729..5788, 5733..5819, 5733..5840, 5754..5840, 5769..5837, 5772..5828, 5775..5828, 5781..5879, 5781..5879, 5781..5828,		

5781..5828, 5823..5987, 5823..5987, 5829..5984, 5847..6002,
5850..5984, 5858..5902, 5865..6005, 5865..5888, 5886..5918,
5892..5957, 5906..5950, 5907..5957, 5909..5986, 5910..5996,
5915..5959, 5943..6005, 5953..5988, 5963..6001, 5966..6004

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	6006	End	6817
GI	none	Score	46
Exons	6006..6044, 6039..6404, 6069..6122, 6071..6817, 6071..6403, 6097..6816		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o12.tc	Method	TBLASTX:Cress
Start	6048	End	6346
GI	none	Score	66
Exons	6048..6155, 6071..6346, 6071..6343, 6100..6345		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	6271	End	6889
GI	none	Score	42
Exons	6271..6342, 6282..6320, 6284..6343, 6308..6568, 6315..6476, 6469..6888, 6470..6889		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84842	Strand	-
Start	5391	End	7054
Name	OJ991226_47.0309.C6.o8.tc	Method	TBLASTX:Cress
Start	6347	End	7054
GI	none	Score	55
Exons	6347..6382, 6381..6470, 6389..6466, 6458..6724, 6484..6705, 6492..6752, 6718..6822, 6719..7054, 6719..6859, 6908..7045, 6909..7046, 6910..7053		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	7124	End	8266
GI	none	Score	49
Exons	7124..7186, 7285..7341, 7288..7332, 7335..7400, 7336..7410, 7344..7400, 7422..8021, 7422..8123, 7423..8064, 8067..8153, 8069..8146, 8075..8218, 8200..8265, 8210..8266		

Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o2.ts	Method	TBLASTX:Soybean
Start	7258	End	8331
GI	none	Score	143

Exons	7258..7413, 7279..7413, 7422..7799, 7422..8123, 7423..8064, 8067..8180, 8069..8146, 8082..8207, 8200..8271, 8211..8267, 8224..8331		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o9.tm	Method	TBLASTX:Maize
Start	7528	End	7665
GI	none	Score	215
Exons	7528..7665, 7528..7665		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o4.tm	Method	TBLASTX:Maize
Start	7854	End	8147
GI	none	Score	67
Exons	7854..7943, 7862..8020, 7862..7909, 7890..8021, 7890..8123, 7891..8064, 7990..8145, 8058..8147, 8067..8147		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o3.tw	Method	TBLASTX:Wheat
Start	7905	End	8311
GI	none	Score	240
Exons	7905..8123, 7909..8064, 7990..8208, 8058..8237, 8067..8243, 8168..8311, 8184..8306, 8200..8310, 8225..8311		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o2.tm	Method	TBLASTX:Maize
Start	8148	End	8807
GI	none	Score	96
Exons	8148..8210, 8149..8208, 8193..8318, 8193..8318, 8200..8319, 8201..8320, 8315..8347, 8316..8348, 8317..8355, 8353..8394, 8359..8394, 8402..8467, 8402..8467, 8453..8497, 8459..8551, 8467..8529, 8469..8552, 8591..8767, 8601..8786, 8604..8786, 8659..8787, 8781..8807, 8781..8807		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o4.tc	Method	TBLASTX:Cress
Start	8466	End	9087
GI	none	Score	35
Exons	8466..8486, 8467..8484, 8601..8924, 8603..8929, 8604..8945, 8659..8946, 8972..9085, 8974..9087		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o4.ts	Method	TBLASTX:Soybean
Start	8468	End	9247
GI	none	Score	167

Exons	8468..8491, 8600..8767, 8601..8924, 8604..8945, 8816..8977, 8872..8946, 8950..9246, 8951..9247		
Seq. No.	40962	Seq. ID	OJ991226_47.0309.C6
Gene No.	84843	Strand	
Start	7124	End	9247
Name	OJ991226_47.0309.C6.o3.tm	Method	TBLASTX:Maize
Start	8808	End	9091
GI	none	Score	239
Exons	8808..8948, 8808..8930, 8809..8985, 8810..9049, 8928..9089, 8944..9090, 8950..9090, 8951..9091		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84844	Strand	+
Start	1	End	182
Name	OJ991226_47.0309.C7.o1.gp	Method	AAT/GAP
Start	1	End	182
GI	42732_1.R1084	Score	344
Exons	1..182		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84845	Strand	+
Start	223	End	593
Name	OJ991226_47.0309.C7.o2.gp	Method	AAT/GAP
Start	223	End	593
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	223..593		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84846	Strand	-
Start	1258	End	2298
Name	OJ991226_47.0309.C7.o3.gp	Method	AAT/GAP
Start	1258	End	2298
GI	2721_1.R1084	Score	1974
Exons	1258..2298		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	1	End	256
GI	none	Score	347

Exons	1..255, 2..256		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2588
GI	none	Score	534
Exons	1..504, 2..355, 9..539, 410..505, 1137..1199, 1224..1292, 1269..1556, 1282..1554, 1414..1560, 1581..1649, 1985..2164, 1989..2165, 1989..2165, 1994..2167, 2256..2315, 2258..2329, 2261..2314, 2262..2315, 2321..2374, 2322..2375, 2325..2372, 2360..2413, 2362..2445, 2382..2453, 2406..2450, 2472..2519, 2472..2513, 2474..2521, 2479..2514, 2541..2588, 2544..2582		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	151	End	413
GI	none	Score	327
Exons	151..411, 153..413		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o4.tm	Method	TBLASTX:Maize
Start	414	End	757
GI	none	Score	172
Exons	414..536, 415..531, 420..536, 523..657, 529..672, 531..701, 548..685, 666..689, 688..729, 689..730, 732..755, 734..757		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	844	End	1796
GI	none	Score	186
Exons	844..1011, 859..888, 879..1004, 881..1012, 988..1068, 1021..1119, 1060..1122, 1096..1188, 1121..1192, 1122..1193, 1124..1192, 1197..1238, 1197..1235, 1224..1280, 1225..1281, 1234..1281, 1262..1348, 1273..1644, 1275..1643, 1413..1667, 1651..1695, 1653..1697, 1681..1785, 1695..1796, 1696..1794		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o2.tc	Method	TBLASTX:Cress
Start	1248	End	1554
GI	none	Score	328
Exons	1248..1544, 1248..1364, 1249..1554, 1414..1554		
Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	1797	End	2588

GI	none	Score	173
Exons	1797..1946, 1797..1883, 1874..1906, 1919..2233, 1931..2233, 1932..2234, 1939..2235, 2193..2318, 2203..2316, 2205..2318, 2318..2410, 2319..2435, 2319..2447, 2320..2457, 2326..2457, 2397..2543, 2439..2543, 2440..2544, 2453..2548, 2536..2580, 2537..2581, 2544..2588, 2544..2588		

Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o3.tc	Method	TBLASTX:Cress
Start	1961	End	2418
GI	none	Score	272
Exons	1961..2191, 1969..2193, 1974..2195, 1988..2197, 2264..2350, 2265..2348, 2267..2350, 2271..2351, 2353..2418, 2359..2415		

Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o1.tw	Method	TBLASTX:Wheat
Start	2166	End	2587
GI	none	Score	183
Exons	2166..2285, 2166..2285, 2282..2329, 2282..2320, 2319..2441, 2319..2441, 2320..2442, 2320..2442, 2416..2526, 2445..2528, 2445..2525, 2446..2526, 2525..2581, 2528..2587		

Seq. No.	40963	Seq. ID	OJ991226_47.0309.C7
Gene No.	84847	Strand	-
Start	2336	End	2588
Name	OJ991226_47.0309.C7.o4.gp	Method	AAT/GAP
Start	2336	End	2588
GI	2135_1.R1084	Score	502
Exons	2336..2588		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84848	Strand	+
Start	743	End	1289
Name	OJ991226_47.0309.C8.o2.gp	Method	AAT/GAP
Start	743	End	1289
GI	5005311	Score	1047
Exons	743..1289		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	2135_1.R1084	Score	242
Exons	1..133		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast		

genome'

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	699
GI	none	Score	116
Exons	1..96, 3..95, 89..292, 111..626, 129..620, 131..637, 157..627, 356..637, 632..685, 632..691, 637..699		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	51	End	1597
GI	none	Score	41
Exons	51..92, 58..93, 125..286, 131..625, 135..602, 157..627, 647..682, 687..1250, 698..1597, 877..1530, 1377..1532, 1528..1596		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	116	End	560
GI	none	Score	119
Exons	116..175, 117..200, 129..209, 130..201, 205..555, 207..545, 210..560		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	223	End	1198
GI	none	Score	260
Exons	223..597, 223..627, 224..634, 687..1184, 701..1198, 877..1197		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	743	End	1056
GI	none	Score	260
Exons	743..1054, 880..924, 985..1056		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84849	Strand	-
Start	1	End	1597
Name	OJ991226_47.0309.C8.o3.tc	Method	TBLASTX:Cress
Start	1203	End	1473
GI	none	Score	57
Exons	1203..1385, 1207..1473, 1208..1465		

Seq. No.	40964	Seq. ID	OJ991226_47.0309.C8
Gene No.	84850	Strand	
Start	1556	End	1696

Name	OJ991226_47.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	1556	End	1696
GI	none	Score	229
Exons	1556..1696, 1558..1695		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84851	Strand	+
Start	1	End	362
Name	OJ991226_47.0309.C9.o1.gp	Method	AAT/GAP
Start	1	End	362
GI	LIB3431-040-P1-K2-C1	Score	643
Exons	1..362		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84852	Strand	+
Start	4447	End	5176
Name	OJ991226_47.0309.C9.o3.gp	Method	AAT/GAP
Start	4447	End	5176
GI	24824_1.R1084	Score	1379
Exons	4447..5176		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84853	Strand	+
Start	5273	End	6098
Name	OJ991226_47.0309.C9.o4.gp	Method	AAT/GAP
Start	5273	End	6098
GI	14384_1.R1084	Score	1358
Exons	5273..5984, 6070..6098		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84854	Strand	+
Start	7914	End	8537
Name	OJ991226_47.0309.C9.o5.gp	Method	AAT/GAP
Start	7914	End	8537
GI	7528_2.R1084	Score	1143
Exons	7914..8537		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84855	Strand	+
Start	9948	End	10389
Name	OJ991226_47.0309.C9.o7.gp	Method	AAT/GAP
Start	9948	End	10389
GI	uC-osf1M202092b08b1	Score	835

Exons	9948..10389		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84856	Strand	+
Start	14954	End	15476
Name	OJ991226_47.0309.C9.o8.gp	Method	AAT/GAP
Start	14954	End	15476
GI	uC-osflm202104g03b1	Score	1026
Exons	14954..15476		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84857	Strand	+
Start	19020	End	19148
Name	OJ991226_47.0309.C9.o10.gp	Method	AAT/GAP
Start	19020	End	19148
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	19020..19148		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84858	Strand	+
Start	19698	End	20250
Name	OJ991226_47.0309.C9.o11.gp	Method	AAT/GAP
Start	19698	End	20250
GI	2896_1.R1084	Score	1023
Exons	19698..20250		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84859	Strand	+
Start	22307	End	22813
Name	OJ991226_47.0309.C9.o14.gp	Method	AAT/GAP
Start	22307	End	22813
GI	uC-osflcyp011b01b1	Score	987
Exons	22307..22813		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84860	Strand	-
Start	3468	End	3984
Name	OJ991226_47.0309.C9.o2.gp	Method	AAT/GAP

Start	3468	End	3984
GI	uC-osf1M202083h12b1	Score	968
Exons	3468..3984		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84861	Strand	-
Start	8541	End	9078
Name	OJ991226_47.0309.C9.o6.gp	Method	AAT/GAP
Start	8541	End	9078
GI	2653_1.R1084	Score	1052
Exons	8541..9078		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84862	Strand	-
Start	17791	End	17958
Name	OJ991226_47.0309.C9.o9.gp	Method	AAT/GAP
Start	17791	End	17958
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	17791..17958		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84863	Strand	-
Start	21406	End	21857
Name	OJ991226_47.0309.C9.o12.gp	Method	AAT/GAP
Start	21406	End	21857
GI	uC-osf1cyp003h11b1	Score	872
Exons	21406..21857		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84864	Strand	-
Start	21987	End	22150
Name	OJ991226_47.0309.C9.o13.gp	Method	AAT/GAP
Start	21987	End	22150
GI	uC-osf1cyp084g07a1	Score	201
Exons	21987..22150		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84865	Strand	-
Start	25288	End	25853
Name	OJ991226_47.0309.C9.o15.gp	Method	AAT/GAP

Start	25288	End	25853
GI	2798177	Score	1010
Exons	25288..25853		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o14.ts	Method	TBLASTX:Soybean
Start	2	End	328
GI	none	Score	342
Exons	2..328, 2..328		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o15.tc	Method	TBLASTX:Cress
Start	2	End	538
GI	none	Score	326
Exons	2..334, 2..334, 462..527, 466..537, 466..534, 467..538, 467..538		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o11.tc	Method	TBLASTX:Cress
Start	795	End	1477
GI	none	Score	66
Exons	795..848, 796..879, 797..877, 905..1102, 906..1100, 907..1107, 908..1102, 1121..1252, 1156..1224, 1202..1225, 1367..1477, 1393..1476		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o8.ts	Method	TBLASTX:Soybean
Start	1124	End	1762
GI	none	Score	117
Exons	1124..1270, 1156..1221, 1343..1762, 1393..1749		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o7.tm	Method	TBLASTX:Maize
Start	1142	End	1762
GI	none	Score	164
Exons	1142..1240, 1156..1239, 1241..1258, 1242..1268, 1300..1347, 1301..1354, 1302..1358, 1352..1762, 1393..1749		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o12.tc	Method	TBLASTX:Cress
Start	1519	End	1750
GI	none	Score	266
Exons	1519..1686, 1520..1684, 1683..1748, 1687..1749, 1688..1750		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	1758	End	3705
GI	none	Score	68
Exons	1758..1886, 1810..2040, 1811..2050, 1876..2040, 1883..2044, 1971..2054, 2021..2404, 2042..2428, 2259..2405, 2391..2627, 2391..3704, 2392..3042, 2393..3379, 2667..3458, 3127..3705		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o20.tm	Method	TBLASTX:Maize
Start	1764	End	2133
GI	none	Score	121
Exons	1764..1886, 1765..2079, 1789..2079, 1790..2095, 1971..2096, 2064..2132, 2086..2133, 2086..2133		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	1810	End	3106
GI	none	Score	69
Exons	1810..2199, 1811..2404, 1812..1886, 1894..2391, 1901..2428, 2380..3042, 2380..3090, 2391..3104, 2391..3104, 2780..3106		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	2237	End	3546
GI	none	Score	114
Exons	2237..2449, 2242..2403, 2380..3006, 2391..3017, 2661..3017, 3018..3260, 3036..3527, 3127..3546		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o11.tw	Method	TBLASTX:Wheat
Start	2269	End	2648
GI	none	Score	91
Exons	2269..2403, 2270..2431, 2380..2625, 2391..2648		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o3.tw	Method	TBLASTX:Wheat
Start	2736	End	3431
GI	none	Score	237
Exons	2736..3017, 2737..3006, 2742..3011, 3036..3098, 3105..3143, 3154..3423, 3168..3431		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026

Name	OJ991226_47.0309.C9.o7.ts	Method	TBLASTX:Soybean
Start	3107	End	4191
GI	none	Score	289
Exons	3107..3367, 3108..3458, 3108..3701, 3109..3702, 4135..4191		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o23.tm	Method	TBLASTX:Maize
Start	3546	End	3799
GI	none	Score	261
Exons	3546..3725, 3548..3757, 3748..3777, 3748..3777, 3782..3799		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o7.tw	Method	TBLASTX:Wheat
Start	3575	End	4007
GI	none	Score	215
Exons	3575..3724, 3577..3753, 3577..3714, 3676..3786, 3721..3807, 3722..3796, 3785..4006, 3794..3973, 3798..4007		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o28.tm	Method	TBLASTX:Maize
Start	3800	End	3990
GI	none	Score	199
Exons	3800..3937, 3800..3937, 3801..3962, 3802..3939, 3930..3986, 3934..3990, 3936..3989		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o21.tm	Method	TBLASTX:Maize
Start	4131	End	4440
GI	none	Score	186
Exons	4131..4253, 4135..4254, 4230..4340, 4239..4295, 4241..4318, 4243..4338, 4244..4348, 4313..4438, 4315..4440, 4357..4440		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o2.tw	Method	TBLASTX:Wheat
Start	4174	End	4859
GI	none	Score	203
Exons	4174..4335, 4176..4319, 4293..4391, 4322..4384, 4347..4421, 4385..4813, 4405..4857, 4405..4857, 4434..4859, 4676..4858		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o4.ts	Method	TBLASTX:Soybean
Start	4414	End	5117
GI	none	Score	1013
Exons	4414..5100, 4414..5115, 4437..5117, 4602..5117		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o8.tc	Method	TBLASTX:Cress
Start	4423	End	4899
GI	none	Score	41
Exons	4423..4455, 4457..4807, 4458..4880, 4459..4899, 4462..4899		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o3.tm	Method	TBLASTX:Maize
Start	4441	End	5187
GI	none	Score	935
Exons	4441..5139, 4452..5135, 4453..5181, 5137..5187, 5140..5187		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o13.tw	Method	TBLASTX:Wheat
Start	4860	End	5042
GI	none	Score	319
Exons	4860..5042, 4861..5040		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	5185	End	5937
GI	none	Score	926
Exons	5185..5931, 5186..5887, 5186..5932, 5187..5915, 5191..5937		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o24.tm	Method	TBLASTX:Maize
Start	5190	End	5478
GI	none	Score	205
Exons	5190..5474, 5191..5478, 5195..5473		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o25.tc	Method	TBLASTX:Cress
Start	5423	End	5569
GI	none	Score	164
Exons	5423..5569, 5424..5558		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o12.tm	Method	TBLASTX:Maize
Start	5532	End	6068
GI	none	Score	310
Exons	5532..5891, 5541..5747, 5554..5901, 5557..5901, 6009..6068, 6013..6066		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o14.tc	Method	TBLASTX:Cress
Start	5652	End	5921
GI	none	Score	353
Exons	5652..5783, 5653..5919, 5653..5919, 5654..5920, 5820..5921		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o32.tm	Method	TBLASTX:Maize
Start	6208	End	6953
GI	none	Score	52
Exons	6208..6240, 6210..6260, 6214..6246, 6235..6267, 6236..6268, 6253..6357, 6253..6339, 6267..6359, 6891..6953		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o12.ts	Method	TBLASTX:Soybean
Start	6957	End	9448
GI	none	Score	140
Exons	6957..7178, 7016..7135, 7638..7775, 7640..7729, 7650..7736, 7651..7737, 8097..8258, 8102..8242, 8246..8449, 8254..8295, 8280..8495, 8280..8492, 8515..8577, 8518..8577, 8526..8582, 8604..8663, 8604..8681, 8977..9045, 8989..9048, 8991..9053, 9070..9444, 9074..9448, 9080..9184, 9100..9447, 9263..9448		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o14.tm	Method	TBLASTX:Maize
Start	7592	End	8022
GI	none	Score	273
Exons	7592..7771, 7598..7771, 7774..7872, 7774..7854, 7775..7888, 7869..7940, 7872..7940, 7874..7960, 7908..8006, 7930..8007, 7933..8022, 7937..8008		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o4.tc	Method	TBLASTX:Cress
Start	8103	End	9444
GI	none	Score	699
Exons	8103..8588, 8105..8593, 8106..8594, 8528..8596, 8575..8664, 8580..8663, 8992..9066, 9066..9425, 9067..9444, 9071..9442		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o10.tm	Method	TBLASTX:Maize
Start	8261	End	8858
GI	none	Score	46
Exons	8261..8293, 8262..8294, 8272..8679, 8277..8681, 8280..8681, 8767..8790, 8768..8791, 8787..8834, 8788..8835, 8789..8833, 8826..8858, 8830..8850		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	9452	End	10988
GI	none	Score	332
Exons	9452..9769, 9472..9777, 9998..10207, 10004..10987, 10005..10988		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o22.tc	Method	TBLASTX:Cress
Start	9464	End	9681
GI	none	Score	228
Exons	9464..9679, 9466..9681		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	9682	End	10948
GI	none	Score	91
Exons	9682..9762, 9683..9754, 9984..10784, 9998..10207, 10005..10793, 10890..10946, 10890..10946, 10891..10947, 10898..10948		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o8.tw	Method	TBLASTX:Wheat
Start	9773	End	10199
GI	none	Score	39
Exons	9773..9799, 9774..9809, 9775..9813, 9803..9874, 9804..9875, 9804..9923, 9819..9944, 9859..10071, 9877..10041, 9879..10070, 9971..10072, 10074..10199, 10077..10196, 10079..10198		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o11.tm	Method	TBLASTX:Maize
Start	9825	End	10305
GI	none	Score	58
Exons	9825..9863, 9827..9871, 9860..10207, 9861..10304, 9865..10305		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o25.tm	Method	TBLASTX:Maize
Start	10306	End	10474
GI	none	Score	243
Exons	10306..10473, 10307..10474, 10308..10472		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o15.tw	Method	TBLASTX:Wheat
Start	10531	End	10647

GI	none	Score	205
Exons	10531..10647, 10533..10646, 10534..10647		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o9.tw	Method	TBLASTX:Wheat
Start	10766	End	11093
GI	none	Score	377
Exons	10766..11029, 10773..11093, 10773..11093		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o17.tc	Method	TBLASTX:Cress
Start	11912	End	12249
GI	none	Score	273
Exons	11912..12157, 11915..12157, 12196..12249, 12197..12247		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o17.tm	Method	TBLASTX:Maize
Start	11966	End	12249
GI	none	Score	364
Exons	11966..12181, 11966..12220, 12181..12249, 12182..12247, 12183..12248		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o5.tw	Method	TBLASTX:Wheat
Start	12201	End	12643
GI	none	Score	667
Exons	12201..12641, 12202..12627, 12203..12643		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o7.tc	Method	TBLASTX:Cress
Start	12288	End	12866
GI	none	Score	66
Exons	12288..12344, 12288..12341, 12289..12345, 12290..12346, 12290..12346, 12347..12475, 12348..12476, 12349..12477, 12478..12759, 12481..12747, 12482..12760, 12483..12755, 12483..12764, 12759..12791, 12763..12792, 12795..12866, 12799..12861		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o31.tm	Method	TBLASTX:Maize
Start	12708	End	12860
GI	none	Score	89
Exons	12708..12761, 12708..12755, 12709..12777, 12710..12769, 12756..12815, 12763..12816, 12763..12816, 12816..12860, 12819..12860		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o10.tw	Method	TBLASTX:Wheat
Start	12721	End	13122
GI	none	Score	86
Exons	12721..12795, 12722..12772, 12742..12957, 12753..12950, 12754..12957, 12937..13029, 12951..13097, 12976..13119, 12997..13122		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o30.tm	Method	TBLASTX:Maize
Start	12914	End	13304
GI	none	Score	64
Exons	12914..12967, 12918..12974, 12919..12972, 12947..13039, 12979..13035, 13033..13074, 13051..13113, 13054..13116, 13120..13197, 13121..13192, 13121..13201, 13227..13304, 13229..13291		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o6.tw	Method	TBLASTX:Wheat
Start	13484	End	14080
GI	none	Score	168
Exons	13484..13612, 13488..13613, 13491..13613, 13637..13678, 13671..13754, 13676..13753, 13728..13805, 13757..13807, 13758..13805, 13790..13915, 13791..13916, 13795..13914, 13803..13916, 13904..14080, 13909..14079		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o6.tm	Method	TBLASTX:Maize
Start	13646	End	14389
GI	none	Score	139
Exons	13646..13804, 13671..13796, 13673..13822, 13678..13818, 13791..13877, 13792..13878, 13792..13875, 13871..14041, 13871..14041, 13873..14043, 14058..14090, 14059..14112, 14085..14111, 14109..14216, 14110..14178, 14111..14185, 14173..14355, 14174..14389, 14176..14382, 14177..14383		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o20.tc	Method	TBLASTX:Cress
Start	13973	End	14316
GI	none	Score	74
Exons	13973..14059, 13975..14040, 14115..14180, 14118..14180, 14190..14315, 14194..14316, 14201..14311		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026

Name	OJ991226_47.0309.C9.o16.ts	Method	TBLASTX:Soybean
Start	14115	End	14330
GI	none	Score	230
Exons	14115..14180, 14174..14329, 14175..14330		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o12.tw	Method	TBLASTX:Wheat
Start	14851	End	15239
GI	none	Score	83
Exons	14851..14910, 14851..14910, 14852..14929, 14893..14931, 14907..14930, 14954..15202, 14958..15224, 14964..15239		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o15.tm	Method	TBLASTX:Maize
Start	14935	End	15251
GI	none	Score	380
Exons	14935..15231, 14936..15244, 14937..15251, 14937..15251		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o15.ts	Method	TBLASTX:Soybean
Start	15010	End	16372
GI	none	Score	168
Exons	15010..15117, 15012..15164, 15012..15164, 15583..15723, 15583..15798, 15590..15799, 15593..15799, 15594..15812, 16062..16133, 16064..16126, 16070..16114, 16121..16183, 16193..16363, 16195..16359, 16195..16368, 16211..16372		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o23.tc	Method	TBLASTX:Cress
Start	15013	End	15173
GI	none	Score	165
Exons	15013..15117, 15013..15159, 15015..15173		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o19.tm	Method	TBLASTX:Maize
Start	15424	End	15770
GI	none	Score	94
Exons	15424..15492, 15434..15517, 15524..15592, 15535..15591, 15582..15770, 15583..15765, 15584..15769		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o18.tc	Method	TBLASTX:Cress
Start	15587	End	16515
GI	none	Score	75
Exons	15587..15661, 15597..15800, 15599..15799, 16067..16114,		

16091..16183, 16195..16359, 16195..16359, 16211..16372,
16417..16515

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o21.tc	Method	TBLASTX:Cress
Start	17114	End	17691
GI	none	Score	37

Exons 17114..17143, 17180..17215, 17183..17212, 17205..17264,
17218..17265, 17301..17387, 17302..17376, 17393..17491,
17394..17537, 17476..17538, 17574..17618, 17577..17618,
17647..17691

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o13.ts	Method	TBLASTX:Soybean
Start	17210	End	18259
GI	none	Score	73

Exons 17210..17260, 17218..17268, 17294..17335, 17298..17375,
17299..17325, 17337..17381, 17371..17439, 17392..17436,
17393..17446, 17436..17501, 17442..17534, 17443..17535,
17476..17547, 17630..17695, 17630..17689, 17637..17690,
17743..17904, 17746..17922, 17748..17924, 17771..17905,
17907..17951, 17925..17951, 18102..18257, 18102..18257,
18110..18259

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o26.tm	Method	TBLASTX:Maize
Start	17601	End	17789
GI	none	Score	62

Exons 17601..17627, 17603..17629, 17631..17789, 17633..17788

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	17790	End	18796
GI	none	Score	106

Exons 17790..17855, 17791..17922, 17791..17922, 17792..17923,
17910..17954, 17916..17954, 17923..17955, 17955..17978,
17956..17982, 17985..18794, 17990..18796, 17991..18773

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o11.ts	Method	TBLASTX:Soybean
Start	18261	End	18751
GI	none	Score	309

Exons 18261..18689, 18270..18689, 18271..18690, 18272..18709,
18518..18709, 18728..18751

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-

Start	26636	End	27026
Name	OJ991226_47.0309.C9.o10.tc	Method	TBLASTX:Cress
Start	18279	End	18709
GI	none	Score	351
Exons	18279..18689, 18280..18690, 18323..18709		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o16.tm	Method	TBLASTX:Maize
Start	19007	End	19297
GI	none	Score	167
Exons	19007..19123, 19007..19123, 19114..19296, 19127..19297		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o24.tc	Method	TBLASTX:Cress
Start	19176	End	19455
GI	none	Score	166
Exons	19176..19448, 19189..19455		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o5.tc	Method	TBLASTX:Cress
Start	19632	End	20182
GI	none	Score	112
Exons	19632..19778, 19633..19800, 19638..19757, 19639..19779, 19775..20155, 19777..20178, 19818..20174, 19967..20182		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o4.tw	Method	TBLASTX:Wheat
Start	19740	End	20171
GI	none	Score	691
Exons	19740..19784, 19741..20169, 19741..20169, 19818..20171		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o27.tm	Method	TBLASTX:Maize
Start	19777	End	19986
GI	none	Score	221
Exons	19777..19917, 19777..19914, 19778..19915, 19921..19986		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o9.ts	Method	TBLASTX:Soybean
Start	19849	End	20293
GI	none	Score	694
Exons	19849..20289, 19850..20155, 19851..20288, 20192..20293		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-

Start	26636	End	27026
Name	OJ991226_47.0309.C9.o13.tm	Method	TBLASTX:Maize
Start	19989	End	20303
GI	none	Score	567
Exons	19989..20303, 19990..20301		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o6.tc	Method	TBLASTX:Cress
Start	20185	End	20592
GI	none	Score	686
Exons	20185..20592, 20185..20592		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o3.tc	Method	TBLASTX:Cress
Start	20677	End	23323
GI	none	Score	75
Exons	20677..20760, 20680..20757, 20682..20762, 20794..20874, 20794..20874, 20873..20995, 20874..20966, 21027..21224, 21031..21234, 21031..21228, 21235..21261, 21236..21274, 21268..21441, 21273..21503, 21273..21503, 21274..21516, 21481..21507, 21587..21613, 22444..22938, 22447..23094, 22449..23111, 22455..23093, 23147..23218, 23149..23217, 23152..23226, 23270..23323, 23270..23323		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o10.ts	Method	TBLASTX:Soybean
Start	20963	End	21639
GI	none	Score	228
Exons	20963..20989, 21000..21179, 21022..21180, 21142..21210, 21216..21275, 21227..21265, 21268..21441, 21273..21503, 21273..21503, 21280..21516, 21481..21507, 21588..21638, 21588..21638, 21589..21639		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o4.tm	Method	TBLASTX:Maize
Start	21046	End	21810
GI	none	Score	785
Exons	21046..21552, 21046..21441, 21197..21559, 21270..21557, 21458..21568, 21537..21614, 21547..21618, 21548..21613, 21548..21619, 21589..21618, 21606..21656, 21606..21656, 21607..21657, 21608..21658, 21647..21778, 21658..21690, 21662..21742, 21736..21777, 21784..21810		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o14.tw	Method	TBLASTX:Wheat
Start	21128	End	21377
GI	none	Score	240

Exons	21128..21295, 21129..21293, 21130..21297, 21296..21364, 21297..21365, 21297..21377, 21298..21366		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o3.ts	Method	TBLASTX:Soybean
Start	21940	End	23186
GI	none	Score	57
Exons	21940..21984, 21986..22039, 21988..22038, 22046..22084, 22048..22080, 22365..22409, 22366..22428, 22366..22425, 22405..23121, 22417..22938, 22455..23120, 23150..23179, 23151..23186		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o5.tm	Method	TBLASTX:Maize
Start	22450	End	23094
GI	none	Score	967
Exons	22450..23094, 22453..22920, 22512..23093		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o22.tm	Method	TBLASTX:Maize
Start	23260	End	23500
GI	none	Score	290
Exons	23260..23454, 23261..23452, 23456..23500, 23457..23498		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o6.ts	Method	TBLASTX:Soybean
Start	23409	End	24971
GI	none	Score	75
Exons	23409..23501, 23409..23528, 23504..23650, 23560..23649, 23666..23692, 23769..23816, 23775..23816, 23928..24383, 23946..24515, 23953..24492, 23953..24519, 23963..24517, 24423..24521, 24540..24620, 24563..24619, 24775..24951, 24777..24971		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o13.tc	Method	TBLASTX:Cress
Start	23946	End	24192
GI	none	Score	213
Exons	23946..24191, 23946..24191, 23959..24192		
Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o16.tc	Method	TBLASTX:Cress
Start	24193	End	24398
GI	none	Score	316
Exons	24193..24396, 24193..24396, 24195..24398		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o19.tc	Method	TBLASTX:Cress
Start	24798	End	25240
GI	none	Score	36
Exons	24798..24863, 24849..24887, 24854..24892, 24904..24948, 24991..25227, 25000..25227, 25046..25240, 25098..25229, 25109..25240		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o5.ts	Method	TBLASTX:Soybean
Start	24991	End	25755
GI	none	Score	523
Exons	24991..25701, 24991..25755, 24998..25726, 25062..25748		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o9.tm	Method	TBLASTX:Maize
Start	25189	End	25663
GI	none	Score	662
Exons	25189..25662, 25190..25663, 25190..25663		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o9.tc	Method	TBLASTX:Cress
Start	25483	End	26070
GI	none	Score	295
Exons	25483..25755, 25487..25726, 25738..25797, 25770..25814, 25770..25814, 25775..25816, 25797..25970, 25803..25937, 25811..25972, 25811..25981, 25840..25995, 25972..26070, 25974..26069		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o29.tm	Method	TBLASTX:Maize
Start	25671	End	25933
GI	none	Score	51
Exons	25671..25745, 25690..25749, 25691..25729, 25692..25745, 25799..25927, 25812..25928, 25812..25928, 25814..25933, 25840..25932		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o18.tm	Method	TBLASTX:Maize
Start	25950	End	26236
GI	none	Score	188
Exons	25950..26063, 25951..26067, 25951..26067, 26065..26235, 26066..26236, 26068..26235, 26195..26236		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o17.ts	Method	TBLASTX:Soybean
Start	26025	End	26277
GI	none	Score	91
Exons	26025..26117, 26026..26196, 26035..26196, 26176..26277, 26177..26269, 26181..26270		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o8.tm	Method	TBLASTX:Maize
Start	26238	End	27005
GI	none	Score	38
Exons	26238..26270, 26239..26289, 26262..26345, 26282..26344, 26301..26372, 26356..26373, 26390..26629, 26392..26589, 26393..26614, 26637..26915, 26653..26916, 26657..26917, 26665..26715, 26689..26967, 26700..26978, 26923..26961, 26925..27005		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o16.gp	Method	AAT/GAP
Start	26636	End	27026
GI	5003883	Score	782
Exons	26636..27026		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	40965	Seq. ID	OJ991226_47.0309.C9
Gene No.	84866	Strand	-
Start	26636	End	27026
Name	OJ991226_47.0309.C9.o18.ts	Method	TBLASTX:Soybean
Start	26722	End	26911
GI	none	Score	174
Exons	26722..26907, 26723..26911		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84867	Strand	+
Start	1800	End	2904
Name	OJ991226_47.0309.C10.o3.gp	Method	AAT/GAP
Start	1800	End	2904
GI	2291_1.R1084	Score	2153
Exons	1800..2904		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84868	Strand	+
Start	2919	End	4391
Name	OJ991226_47.0309.C10.o4.gp	Method	AAT/GAP
Start	2919	End	4391

GI	3073_1.R1084	Score	2931
Exons	2919..4391		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84869	Strand	-
Start	564	End	1149
Name	OJ991226_47.0309.C10.o1.gp	Method	AAT/GAP
Start	564	End	1149
GI	481_1.R1084	Score	1023
Exons	564..1149		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84870	Strand	-
Start	1454	End	1717
Name	OJ991226_47.0309.C10.o2.gp	Method	AAT/GAP
Start	1454	End	1717
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	1454..1717		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o5.tm	Method	TBLASTX:Maize
Start	6	End	722
GI	none	Score	792
Exons	6..35, 56..139, 57..704, 57..587, 76..720, 287..721, 660..722		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o3.tw	Method	TBLASTX:Wheat
Start	57	End	438
GI	none	Score	476
Exons	57..428, 57..431, 76..429, 76..438, 161..430		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	69	End	5774
GI	none	Score	158
Exons	69..233, 69..281, 76..285, 76..303, 276..482, 292..483, 296..604, 298..519, 517..543, 560..625, 611..913, 622..912, 731..925, 901..1002, 908..1027, 1088..1321, 1104..1466, 1104..1499, 1118..1507, 1123..1509, 1370..1504, 2733..3044,		

2733..3113, 2734..3102, 3117..3224, 3288..3437, 3288..3437,
3289..3447, 3331..3438, 3347..3442, 3432..3461, 4042..4194,
4046..4279, 4056..4280, 4284..4310, 4285..4308, 4505..4849,
4558..4848, 4559..4888, 4614..4853, 4794..5003, 4821..5018,
4921..5019, 4990..5136, 5004..5099, 5005..5103, 5095..5139,
5097..5138, 5098..5139, 5139..5318, 5141..5317, 5142..5369,
5323..5400, 5324..5401, 5379..5774, 5393..5686

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o6.tc	Method	TBLASTX:Cress
Start	69	End	589
GI	none	Score	156

Exons 69..281, 72..242, 76..273, 276..485, 289..483, 298..492,
303..491, 507..548, 508..540, 551..589

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o9.tw	Method	TBLASTX:Wheat
Start	510	End	874
GI	none	Score	60

Exons 510..545, 510..545, 511..549, 519..587, 529..585, 531..587,
596..874, 596..871, 613..873

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o10.tc	Method	TBLASTX:Cress
Start	615	End	1002
GI	none	Score	114

Exons 615..815, 616..819, 623..820, 820..867, 820..912, 821..913,
888..920, 901..1002, 908..1000

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o6.tm	Method	TBLASTX:Maize
Start	763	End	2602
GI	none	Score	75

Exons 763..807, 764..808, 807..857, 808..1509, 809..1504, 2546..2602

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o6.tw	Method	TBLASTX:Wheat
Start	1027	End	1418
GI	none	Score	80

Exons 1027..1080, 1029..1079, 1031..1084, 1034..1417, 1035..1418

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o7.tc	Method	TBLASTX:Cress
Start	1036	End	1509
GI	none	Score	48

Exons	1036..1068, 1142..1207, 1187..1507, 1188..1463, 1198..1509, 1202..1501		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o10.tw	Method	TBLASTX:Wheat
Start	1450	End	9601
GI	none	Score	131
Exons	1450..1524, 1451..1525, 1495..1620, 1521..1625, 1525..1620, 1530..1655, 1639..1662, 1641..1664, 1663..1710, 1695..1775, 1706..1768, 1822..1854, 1823..1855, 9515..9601		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o8.tm	Method	TBLASTX:Maize
Start	1819	End	2142
GI	none	Score	352
Exons	1819..2067, 1820..2068, 1827..2138, 1830..2123, 2074..2142		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o8.tc	Method	TBLASTX:Cress
Start	1858	End	3092
GI	none	Score	49
Exons	1858..1899, 1866..1886, 1918..1980, 1936..1980, 1973..2062, 1977..2069, 2190..2216, 2212..2256, 2365..2427, 2538..2579, 2549..2596, 2669..2911, 2676..3047, 2718..3092, 2719..3075		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o5.tw	Method	TBLASTX:Wheat
Start	1942	End	2576
GI	none	Score	202
Exons	1942..2100, 1943..2092, 1944..2120, 2067..2153, 2068..2154, 2077..2151, 2139..2252, 2148..2255, 2155..2256, 2262..2471, 2268..2381, 2270..2449, 2329..2499, 2339..2509, 2353..2499, 2529..2576, 2543..2575		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o9.tm	Method	TBLASTX:Maize
Start	2183	End	2506
GI	none	Score	59
Exons	2183..2212, 2184..2216, 2209..2250, 2209..2256, 2214..2471, 2214..2384, 2341..2499, 2342..2449, 2345..2506, 2353..2487, 2439..2498		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	2646	End	4408

GI	none	Score	37
Exons	2646..2678, 2655..3227, 2657..2875, 2670..3068, 2677..3225, 3120..3227, 3180..3458, 3222..3461, 3229..3459, 3441..3899, 3453..3899, 3472..3900, 3847..3960, 3891..3965, 3908..3964, 3910..4014, 3979..4197, 3998..4312, 4007..4276, 4014..4313, 4243..4317, 4249..4317, 4278..4367, 4304..4363, 4306..4407, 4319..4408		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	3129	End	3897
GI	none	Score	464
Exons	3129..3461, 3129..3458, 3439..3477, 3492..3890, 3498..3893, 3499..3897		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o9.tc	Method	TBLASTX:Cress
Start	3323	End	3839
GI	none	Score	129
Exons	3323..3421, 3324..3434, 3325..3435, 3331..3435, 3338..3436, 3485..3592, 3507..3803, 3516..3839		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o9.ts	Method	TBLASTX:Soybean
Start	3514	End	3842
GI	none	Score	137
Exons	3514..3804, 3516..3842, 3528..3809		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o4.tc	Method	TBLASTX:Cress
Start	4181	End	5069
GI	none	Score	92
Exons	4181..4279, 4184..4273, 4419..4469, 4420..4470, 4420..4497, 4421..4477, 4471..4500, 4471..4500, 4557..4724, 4558..4725, 4559..4726, 4559..4729, 4614..4730, 4740..4988, 4744..4983, 4752..5069, 4921..4989		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o3.tm	Method	TBLASTX:Maize
Start	4590	End	5419
GI	none	Score	1254
Exons	4590..5411, 4591..5412, 4614..5414, 4921..5415, 5048..5419		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o7.tw	Method	TBLASTX:Wheat

Start	4731	End	5037
GI	none	Score	448
Exons	4731..5036, 4731..5036, 4921..5037		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	5325	End	6542
GI	none	Score	251
Exons	5325..5498, 5325..5519, 5401..5532, 5519..5635, 5520..5639, 5643..5852, 5645..6358, 5648..6358, 6345..6443, 6355..6450, 6363..6449, 6377..6451, 6452..6532, 6456..6542, 6457..6540		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o4.tm	Method	TBLASTX:Maize
Start	5643	End	6420
GI	none	Score	304
Exons	5643..5852, 5645..5893, 5648..5893, 5722..5895, 5829..5894, 5888..6418, 5896..6420, 5897..6418, 6088..6420		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o3.ts	Method	TBLASTX:Soybean
Start	5775	End	6352
GI	none	Score	107
Exons	5775..5852, 5777..6352, 5780..6346		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o2.tw	Method	TBLASTX:Wheat
Start	6014	End	6390
GI	none	Score	598
Exons	6014..6388, 6014..6388, 6015..6389, 6088..6390		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o13.tw	Method	TBLASTX:Wheat
Start	6391	End	6618
GI	none	Score	104
Exons	6391..6450, 6393..6449, 6457..6618, 6472..6618		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o11.tc	Method	TBLASTX:Cress
Start	6772	End	7180
GI	none	Score	61
Exons	6772..6816, 6776..6811, 6803..6964, 6817..6966, 6818..6964, 6928..6966, 6951..7046, 6961..7047, 6961..7074, 6962..7048, 7049..7180, 7051..7131, 7058..7138		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o10.ts	Method	TBLASTX:Soybean
Start	7128	End	7307
GI	none	Score	52
Exons	7128..7157, 7130..7153, 7163..7303, 7167..7307		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o8.tw	Method	TBLASTX:Wheat
Start	8476	End	8961
GI	none	Score	92
Exons	8476..8553, 8476..8553, 8555..8611, 8555..8611, 8586..8666, 8591..8668, 8593..8670, 8602..8664, 8618..8683, 8628..8696, 8629..8670, 8656..8676, 8681..8731, 8681..8722, 8682..8774, 8682..8732, 8721..8960, 8721..8960, 8728..8961, 8728..8961		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o4.ts	Method	TBLASTX:Soybean
Start	8757	End	9250
GI	none	Score	684
Exons	8757..9248, 8767..9165, 8769..9248, 8915..9250, 9128..9250		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o8.ts	Method	TBLASTX:Soybean
Start	10456	End	10682
GI	none	Score	347
Exons	10456..10680, 10458..10682		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o5.ts	Method	TBLASTX:Soybean
Start	10683	End	11135
GI	none	Score	448
Exons	10683..11000, 10683..11000, 10684..11001, 10687..11001, 10988..11065, 10988..11062, 11005..11064, 11018..11134, 11020..11133, 11049..11135		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o7.tm	Method	TBLASTX:Maize
Start	11218	End	11572
GI	none	Score	564
Exons	11218..11535, 11219..11572, 11221..11571		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o2.ts	Method	TBLASTX:Soybean

Start	11248	End	11972
GI	none	Score	59
Exons	11248..11295, 11251..11292, 11291..11521, 11295..11540, 11296..11535, 11546..11854, 11547..11792, 11593..11793, 11790..11852, 11809..11853, 11845..11967, 11847..11972, 11847..11972		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o5.tc	Method	TBLASTX:Cress
Start	11260	End	11782
GI	none	Score	47
Exons	11260..11295, 11263..11292, 11291..11521, 11295..11540, 11296..11523, 11297..11548, 11545..11667, 11546..11659, 11547..11681, 11593..11661, 11659..11685, 11675..11782, 11677..11769		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o5.gp	Method	AAT/GAP
Start	11485	End	13454
GI	183_5.R1084	Score	2766
Exons	11485..11869, 12410..13454		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	11574	End	13452
GI	none	Score	756
Exons	11574..12044, 11574..12983, 11575..13011, 11593..13005, 12539..13012, 12920..13021, 13067..13150, 13068..13151, 13093..13152, 13145..13444, 13147..13452, 13150..13452		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o12.tw	Method	TBLASTX:Wheat
Start	11649	End	11868
GI	none	Score	99
Exons	11649..11759, 11652..11732, 11653..11736, 11716..11847, 11718..11831, 11835..11867, 11836..11868		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o12.tc	Method	TBLASTX:Cress
Start	11829	End	11989
GI	none	Score	194

Exons	11829..11984, 11840..11950, 11842..11985, 11847..11984, 11848..11988, 11849..11989		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o6.ts	Method	TBLASTX:Soybean
Start	11974	End	12376
GI	none	Score	178
Exons	11974..12096, 11975..12097, 12109..12222, 12109..12222, 12192..12374, 12195..12374, 12221..12376, 12223..12375		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o4.tw	Method	TBLASTX:Wheat
Start	12244	End	12654
GI	none	Score	42
Exons	12244..12303, 12295..12654, 12310..12651		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o3.tc	Method	TBLASTX:Cress
Start	12264	End	13012
GI	none	Score	709
Exons	12264..12734, 12264..12785, 12265..12741, 12265..12786, 12736..12852, 12740..12853, 12741..12767, 12744..12860, 12745..12861, 12797..12865, 12829..12903, 12867..12914, 12904..12978, 12920..12988, 12930..12974, 12960..13004, 12964..13005, 12970..13011, 12992..13012		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o7.ts	Method	TBLASTX:Soybean
Start	12534	End	13647
GI	none	Score	249
Exons	12534..12731, 12534..12734, 12535..12741, 12535..12735, 12718..12840, 12750..12845, 12751..12840, 12797..12847, 12804..12851, 12867..12902, 12871..12903, 12900..12944, 12903..12944, 12910..12945, 12933..12995, 13068..13133, 13070..13135, 13128..13154, 13129..13155, 13162..13266, 13189..13266, 13274..13366, 13293..13349, 13381..13419, 13480..13638, 13481..13636, 13482..13646, 13507..13647		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o13.tc	Method	TBLASTX:Cress
Start	13072	End	13293
GI	none	Score	40
Exons	13072..13107, 13097..13138, 13109..13141, 13131..13268, 13132..13275, 13133..13264, 13134..13265, 13270..13293		
Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-

Start	11485	End	14674
Name	OJ991226_47.0309.C10.o2.tc	Method	TBLASTX:Cress
Start	13294	End	14674
GI	none	Score	110
Exons	13294..13389, 13294..13380, 13387..13413, 13387..13413, 13389..13418, 13480..13626, 13487..13618, 13521..13619, 13583..13654, 13673..13750, 13674..13754, 13675..13755, 13747..13818, 13750..13818, 13751..13819, 13774..13881, 13788..13856, 13820..13882, 13878..14009, 13898..14014, 13900..14007, 13904..14062, 13954..14061, 14022..14066, 14081..14257, 14082..14264, 14165..14266, 14167..14265, 14291..14350, 14293..14352, 14304..14357, 14359..14475, 14361..14477, 14445..14570, 14454..14561, 14473..14568, 14483..14575, 14569..14595, 14569..14595, 14573..14608, 14597..14674, 14599..14673		

Seq. No.	40966	Seq. ID	OJ991226_47.0309.C10
Gene No.	84871	Strand	-
Start	11485	End	14674
Name	OJ991226_47.0309.C10.o11.tw	Method	TBLASTX:Wheat
Start	14379	End	14674
GI	none	Score	76
Exons	14379..14474, 14379..14456, 14445..14516, 14454..14516, 14473..14517, 14473..14517, 14486..14527, 14490..14576, 14512..14577, 14563..14640, 14580..14636, 14581..14637, 14639..14674, 14641..14673		

Seq. No.	40967	Seq. ID	OJ991226_47.0309.C11
Gene No.	84872	Strand	+
Start	332	End	801
Name	OJ991226_47.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	21	End	369
GI	none	Score	129
Exons	21..116, 23..115, 104..190, 120..191, 220..273, 222..269, 243..284, 245..289, 275..304, 282..368, 284..367, 292..369, 322..369		

Seq. No.	40967	Seq. ID	OJ991226_47.0309.C11
Gene No.	84873	Strand	
Start	747	End	991
Name	OJ991226_47.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	747	End	991
GI	none	Score	199
Exons	747..878, 747..884, 748..879, 868..924, 869..922, 930..989, 931..990, 931..990, 932..991		

Seq. No.	40967	Seq. ID	OJ991226_47.0309.C11
Gene No.	84874	Strand	
Start	1010	End	1262
Name	OJ991226_47.0309.C11.o2.tc	Method	TBLASTX:Cress
Start	1010	End	1262
GI	none	Score	80
Exons	1010..1039, 1038..1127, 1040..1129, 1041..1130, 1105..1260, 1126..1260, 1131..1262		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84875	Strand	-

Start	510	End	1451
Name	OJ991226_47.0309.C12.o1.gp	Method	AAT/GAP
Start	510	End	1451
GI	688_1.R1084	Score	1842
Exons	510..1451		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	74	End	630
GI	none	Score	80
Exons	74..103, 102..191, 104..193, 105..194, 169..354, 190..354, 195..356, 263..379, 354..458, 355..459, 355..459, 357..500, 449..628, 457..630, 483..629		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	393	End	1029
GI	none	Score	324
Exons	393..653, 395..637, 629..757, 632..766, 636..782, 639..761, 682..762, 751..957, 752..943, 759..947, 942..1028, 942..1028, 943..1029, 943..1029		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o2.tc	Method	TBLASTX:Cress
Start	643	End	1017
GI	none	Score	155
Exons	643..756, 645..755, 682..756, 752..946, 753..947, 754..957, 942..1016, 942..1016, 943..1017		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o3.tc	Method	TBLASTX:Cress
Start	1128	End	1489
GI	none	Score	40
Exons	1128..1163, 1134..1163, 1135..1167, 1139..1252, 1151..1261, 1164..1262, 1164..1277, 1177..1278, 1225..1362, 1281..1361, 1313..1369, 1321..1362, 1364..1489, 1364..1489		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o2.ts	Method	TBLASTX:Soybean
Start	1281	End	1652
GI	none	Score	133
Exons	1281..1397, 1282..1362, 1313..1369, 1376..1405, 1388..1441, 1401..1454, 1402..1455, 1435..1530, 1444..1536, 1447..1524, 1452..1526, 1538..1588, 1539..1601, 1539..1589, 1601..1651, 1626..1652		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o2.gp	Method	AAT/GAP
Start	1483	End	1652
GI	2669_1.R1084	Score	283
Exons	1483..1652		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	1489	End	1652
GI	none	Score	262
Exons	1489..1650, 1501..1650, 1503..1652		

Seq. No.	40968	Seq. ID	OJ991226_47.0309.C12
Gene No.	84876	Strand	-
Start	1483	End	1652
Name	OJ991226_47.0309.C12.o4.tc	Method	TBLASTX:Cress
Start	1501	End	1650
GI	none	Score	210
Exons	1501..1650, 1501..1650		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84877	Strand	
Start	1	End	412
Name	OJ991226_47.0309.C19.o1.ts	Method	TBLASTX:Soybean
Start	1	End	161
GI	none	Score	212
Exons	1..147, 1..147, 3..161, 3..161		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84877	Strand	
Start	1	End	412
Name	OJ991226_47.0309.C19.o2.tw	Method	TBLASTX:Wheat
Start	39	End	412
GI	none	Score	178
Exons	39..155, 39..155, 43..159, 171..188, 186..311, 187..312, 191..313, 284..319, 298..324, 311..355, 312..356, 313..360, 314..370, 361..390, 362..409, 363..404, 380..412		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84878	Strand	
Start	403	End	1073
Name	OJ991226_47.0309.C19.o2.tm	Method	TBLASTX:Maize
Start	403	End	643
GI	none	Score	58
Exons	403..468, 413..466, 446..499, 456..497, 457..498, 458..502, 504..632, 506..643, 507..632		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84878	Strand	

Start	403	End	1073
Name	OJ991226_47.0309.C19.o1.tw	Method	TBLASTX:Wheat
Start	413	End	968
GI	none	Score	55
Exons	413..487, 418..486, 446..532, 456..650, 481..603, 492..632, 619..744, 629..742, 736..807, 743..832, 749..823, 781..852, 782..832, 793..834, 823..906, 826..906, 827..919, 828..914, 908..937, 909..968		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84878	Strand	
Start	403	End	1073
Name	OJ991226_47.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	645	End	1073
GI	none	Score	126
Exons	645..740, 645..740, 647..742, 662..742, 748..810, 749..811, 749..811, 767..889, 769..906, 791..907, 908..937, 912..1016, 943..1017, 963..1022, 965..1021, 1006..1071, 1007..1072, 1008..1073		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84879	Strand	
Start	1145	End	1425
Name	OJ991226_47.0309.C19.o1.tc	Method	TBLASTX:Cress
Start	1145	End	1425
GI	none	Score	47
Exons	1145..1171, 1145..1171, 1269..1412, 1269..1412, 1282..1425		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84879	Strand	
Start	1145	End	1425
Name	OJ991226_47.0309.C19.o2.ts	Method	TBLASTX:Soybean
Start	1145	End	1411
GI	none	Score	177
Exons	1145..1240, 1281..1409, 1283..1411, 1285..1410		

Seq. No.	40969	Seq. ID	OJ991226_47.0309.C19
Gene No.	84880	Strand	
Start	1418	End	1566
Name	OJ991226_47.0309.C19.o3.tm	Method	TBLASTX:Maize
Start	1418	End	1566
GI	none	Score	160
Exons	1418..1516, 1418..1525, 1420..1530, 1491..1556, 1499..1555, 1510..1566		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84881	Strand	+
Start	682	End	1132
Name	OJ991226_47.0309.C20.o1.gp	Method	AAT/GAP
Start	682	End	1132
GI	uC-osf1cyp086a01b1	Score	902
Exons	682..1132		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84882	Strand	+

Start	1212	End	2457
Name	OJ991226_47.0309.C20.o2.gp	Method	AAT/GAP
Start	1212	End	2457
GI	uC-osflcyp086a01a1	Score	842
Exons	1212..1456, 2267..2457		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o4.tm	Method	TBLASTX:Maize
Start	6	End	164
GI	none	Score	240
Exons	6..164, 7..156		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	1232	End	1860
GI	none	Score	64
Exons	1232..1276, 1235..1282, 1277..1309, 1278..1310, 1279..1320, 1330..1584, 1338..1598, 1352..1588, 1359..1610, 1572..1706, 1583..1720, 1586..1753, 1630..1773, 1765..1860, 1776..1859		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o3.ts	Method	TBLASTX:Soybean
Start	1321	End	2463
GI	none	Score	38
Exons	1321..1362, 1344..1364, 1388..1477, 1389..1478, 1404..1478, 1470..1520, 1475..1534, 1509..1562, 1509..1571, 1581..1619, 1582..1620, 1583..1621, 1584..1622, 1625..1726, 1639..1746, 1640..1747, 1711..1770, 1854..1883, 1865..1897, 1900..1950, 1901..1942, 1948..1995, 2155..2253, 2165..2257, 2191..2262, 2224..2463, 2234..2446, 2235..2462		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o3.tc	Method	TBLASTX:Cress
Start	2201	End	2388
GI	none	Score	230
Exons	2201..2296, 2202..2387, 2209..2388		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o5.tm	Method	TBLASTX:Maize
Start	2692	End	3066
GI	none	Score	65
Exons	2692..2745, 2742..2837, 2742..2801, 2743..2838, 2750..2848, 2828..2872, 2866..2946, 2870..2947, 2871..2930, 2920..2958,		

2931..2969, 2934..2972, 2961..3026, 2986..3027, 3023..3064, 3024..3065, 3024..3065, 3025..3066

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o2.tc	Method	TBLASTX:Cress
Start	3032	End	3579
GI	none	Score	157
Exons	3032..3181, 3040..3183, 3041..3181, 3170..3211, 3170..3196, 3172..3210, 3236..3280, 3262..3375, 3287..3379, 3299..3385, 3303..3386, 3303..3395, 3304..3441, 3479..3514, 3480..3524, 3484..3525, 3487..3525, 3526..3567, 3527..3574, 3529..3579		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o3.gp	Method	AAT/GAP
Start	3051	End	3319
GI	40596_1.R1084	Score	450
Exons	3051..3319		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o3.tm	Method	TBLASTX:Maize
Start	3067	End	3327
GI	none	Score	231
Exons	3067..3267, 3068..3247, 3212..3307, 3237..3311, 3238..3315, 3299..3325, 3304..3327		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84883	Strand	+
Start	3051	End	3708
Name	OJ991226_47.0309.C20.o6.tm	Method	TBLASTX:Maize
Start	3475	End	3708
GI	none	Score	114
Exons	3475..3558, 3482..3556, 3536..3580, 3554..3580, 3556..3651, 3563..3655, 3567..3656, 3574..3663, 3675..3707, 3675..3707, 3676..3708, 3676..3708		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84884	Strand	
Start	3767	End	4782
Name	OJ991226_47.0309.C20.o1.ts	Method	TBLASTX:Soybean
Start	3767	End	4313
GI	none	Score	60
Exons	3767..3898, 3910..4020, 3913..4044, 3915..4046, 4035..4109, 4049..4102, 4116..4313, 4123..4299, 4137..4304		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84884	Strand	
Start	3767	End	4782
Name	OJ991226_47.0309.C20.o4.tc	Method	TBLASTX:Cress
Start	3767	End	4120

GI	none	Score	116
Exons	3767..3880, 3768..3881, 3769..3882, 3910..4020, 3912..4019, 3915..4067, 3917..4039, 4041..4109, 4055..4120		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84884	Strand	
Start	3767	End	4782
Name	OJ991226_47.0309.C20.o1.tc	Method	TBLASTX:Cress
Start	4126	End	4608
GI	none	Score	62
Exons	4126..4197, 4126..4305, 4127..4318, 4131..4370, 4140..4373, 4388..4447, 4389..4454, 4389..4457, 4390..4455, 4445..4606, 4452..4607, 4564..4608		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84884	Strand	
Start	3767	End	4782
Name	OJ991226_47.0309.C20.o1.tw	Method	TBLASTX:Wheat
Start	4188	End	4568
GI	none	Score	590
Exons	4188..4568, 4188..4565, 4289..4567		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84884	Strand	
Start	3767	End	4782
Name	OJ991226_47.0309.C20.o2.ts	Method	TBLASTX:Soybean
Start	4336	End	4782
GI	none	Score	43
Exons	4336..4392, 4342..4485, 4376..4519, 4383..4529, 4523..4642, 4534..4782, 4572..4781, 4573..4782		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84885	Strand	
Start	4736	End	5173
Name	OJ991226_47.0309.C20.o2.tm	Method	TBLASTX:Maize
Start	4736	End	5002
GI	none	Score	415
Exons	4736..5002, 4737..5000, 4906..5001		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84885	Strand	
Start	4736	End	5173
Name	OJ991226_47.0309.C20.o2.tw	Method	TBLASTX:Wheat
Start	4834	End	5173
GI	none	Score	46
Exons	4834..4860, 4835..4861, 4856..5173, 4857..5171		

Seq. No.	40970	Seq. ID	OJ991226_47.0309.C20
Gene No.	84885	Strand	
Start	4736	End	5173
Name	OJ991226_47.0309.C20.o4.ts	Method	TBLASTX:Soybean
Start	4928	End	5171
GI	none	Score	164
Exons	4928..5053, 4932..5048, 5040..5171, 5042..5167		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84886	Strand	-

Start	203	End	806
Name	OJ991226_47.0309.C22.o1.gp	Method	AAT/GAP
Start	203	End	572
GI	2409_1.R1084	Score	666
Exons	203..572		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84886	Strand	-
Start	203	End	806
Name	OJ991226_47.0309.C22.o3.tm	Method	TBLASTX:Maize
Start	214	End	806
GI	none	Score	79
Exons	214..279, 221..289, 222..290, 222..305, 226..306, 315..359, 333..359, 336..389, 336..365, 337..393, 341..388, 382..408, 386..409, 439..501, 441..503, 456..503, 475..597, 508..552, 524..646, 531..632, 631..693, 632..691, 688..714, 693..806, 695..805		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84887	Strand	
Start	714	End	1523
Name	OJ991226_47.0309.C22.o2.ts	Method	TBLASTX:Soybean
Start	714	End	1383
GI	none	Score	137
Exons	714..818, 715..834, 716..802, 754..819, 778..864, 786..860, 798..872, 853..987, 871..900, 906..1004, 922..996, 923..1036, 989..1060, 1014..1082, 1042..1074, 1084..1119, 1084..1119, 1213..1245, 1214..1243, 1301..1372, 1316..1375, 1318..1383		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84887	Strand	
Start	714	End	1523
Name	OJ991226_47.0309.C22.o2.tc	Method	TBLASTX:Cress
Start	735	End	1291
GI	none	Score	88
Exons	735..803, 737..802, 754..804, 763..804, 773..805, 798..860, 798..875, 799..870, 856..906, 934..996, 937..975, 983..1207, 989..1096, 1081..1146, 1214..1243, 1253..1291		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84887	Strand	
Start	714	End	1523
Name	OJ991226_47.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	891	End	1523
GI	none	Score	470
Exons	891..1223, 892..1224, 893..1222, 1172..1225, 1219..1473, 1220..1426, 1458..1523		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84888	Strand	
Start	1658	End	2080

Name	OJ991226_47.0309.C22.o1.tc	Method	TBLASTX:Cress
Start	1658	End	2080
GI	none	Score	75
Exons	1658..1828, 1752..1982, 1753..1992, 1818..1982, 1825..1986, 1913..1996, 1963..2079, 1984..2079, 1988..2080, 1994..2080		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84888	Strand	
Start	1658	End	2080
Name	OJ991226_47.0309.C22.o2.tm	Method	TBLASTX:Maize
Start	1691	End	2075
GI	none	Score	131
Exons	1691..1828, 1692..2021, 1731..2021, 1804..2022, 1913..2038, 2006..2074, 2028..2075		

Seq. No.	40971	Seq. ID	OJ991226_47.0309.C22
Gene No.	84888	Strand	
Start	1658	End	2080
Name	OJ991226_47.0309.C22.o1.ts	Method	TBLASTX:Soybean
Start	1753	End	2079
GI	none	Score	69
Exons	1753..2079, 1754..1828, 1843..2079		

Seq. No.	40972	Seq. ID	OJ991226_47.0309.C23
Gene No.	84890	Strand	-
Start	2942	End	3383
Name	OJ991226_47.0309.C23.o3.ts	Method	TBLASTX:Soybean
Start	2752	End	3310
GI	none	Score	168
Exons	2752..2988, 2764..2994, 2771..2995, 3127..3300, 3133..3300, 3134..3307, 3155..3310		

Seq. No.	40972	Seq. ID	OJ991226_47.0309.C23
Gene No.	84890	Strand	-
Start	2942	End	3383
Name	OJ991226_47.0309.C23.o2.gp	Method	AAT/GAP
Start	2942	End	3383
GI	LIB3431-005-P1-N1-A5	Score	869
Exons	2942..3383		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	40972	Seq. ID	OJ991226_47.0309.C23
Gene No.	84891	Strand	
Start	4109	End	4600
Name	OJ991226_47.0309.C23.o1.tc	Method	TBLASTX:Cress
Start	4109	End	4600
GI	none	Score	455
Exons	4109..4600, 4110..4526, 4270..4596		

Seq. No.	40972	Seq. ID	OJ991226_47.0309.C23
Gene No.	84891	Strand	

Start	4109	End	4600
Name	OJ991226_47.0309.C23.o2.ts	Method	TBLASTX:Soybean
Start	4196	End	4438
GI	none	Score	315
Exons	4196..4438, 4197..4436, 4262..4438		

Seq. No.	40972	Seq. ID	OJ991226_47.0309.C23
Gene No.	84892	Strand	
Start	4679	End	5116
Name	OJ991226_47.0309.C23.o2.tc	Method	TBLASTX:Cress
Start	4679	End	5072
GI	none	Score	464
Exons	4679..5071, 4680..5072, 4698..5063		

Seq. No.	40972	Seq. ID	OJ991226_47.0309.C23
Gene No.	84892	Strand	
Start	4679	End	5116
Name	OJ991226_47.0309.C23.o1.ts	Method	TBLASTX:Soybean
Start	4805	End	5116
GI	none	Score	365
Exons	4805..5116, 4806..5114		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84893	Strand	+
Start	2324	End	2526
Name	OJ991226_47.0309.C24.o2.gp	Method	AAT/GAP
Start	2324	End	2526
GI	6012822	Score	337
Exons	2324..2526		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84894	Strand	-
Start	5	End	3650
Name	OJ991226_47.0309.C24.o3.tm	Method	TBLASTX:Maize
Start	1	End	238
GI	none	Score	140
Exons	1..141, 1..21, 3..50, 79..156, 98..163, 117..155, 158..184, 159..185, 181..237, 192..236, 196..237, 197..238		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84894	Strand	-
Start	5	End	3650
Name	OJ991226_47.0309.C24.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1854
GI	none	Score	68
Exons	2..55, 189..716, 194..814, 195..821, 196..828, 217..828, 834..1151, 838..1095, 845..1102, 1017..1328, 1051..1332, 1052..1333, 1082..1333, 1212..1337, 1334..1456, 1335..1436, 1336..1464, 1368..1475, 1370..1465, 1471..1854, 1476..1781, 1523..1852		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84894	Strand	-
Start	5	End	3650
Name	OJ991226_47.0309.C24.o1.gp	Method	AAT/GAP
Start	5	End	376

GI	LIB3431-005-P1-N1-A5	Score	666
Exons	5..376		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84894	Strand	-
Start	5	End	3650
Name	OJ991226_47.0309.C24.o4.tc	Method	TBLASTX:Cress
Start	682	End	1135
GI	none	Score	125
Exons	682..744, 684..746, 756..836, 757..840, 817..1083, 819..926, 837..1103, 838..1095, 839..1102, 1052..1132, 1096..1128, 1097..1135		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84894	Strand	-
Start	5	End	3650
Name	OJ991226_47.0309.C24.o1.tc	Method	TBLASTX:Cress
Start	1246	End	3650
GI	none	Score	151
Exons	1246..1332, 1247..1333, 1247..1333, 1334..1456, 1335..1388, 1336..1467, 1368..1469, 1370..1465, 1471..1929, 1523..1930, 1725..1949, 2917..2997, 2919..3263, 2925..3263, 2927..3265, 3052..3270, 3222..3419, 3257..3457, 3263..3454, 3475..3648, 3522..3650, 3531..3650		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84894	Strand	-
Start	5	End	3650
Name	OJ991226_47.0309.C24.o2.ts	Method	TBLASTX:Soybean
Start	1932	End	3462
GI	none	Score	40
Exons	1932..2054, 2005..2055, 2040..2102, 2063..2101, 2150..2185, 2155..2187, 2219..2287, 2253..2285, 2379..2462, 2382..2456, 2620..2658, 2674..2709, 2710..2745, 2820..3419, 2825..2884, 2826..3437, 2840..3460, 2918..3460, 3040..3462		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84895	Strand	
Start	3559	End	3752
Name	OJ991226_47.0309.C24.o8.ts	Method	TBLASTX:Soybean
Start	3559	End	3752
GI	none	Score	280
Exons	3559..3750, 3561..3752, 3562..3750		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o1.tm	Method	TBLASTX:Maize
Start	3733	End	6024
GI	none	Score	67

Exons	3733..3786, 5577..5993, 5577..5993, 5578..5994, 5579..5995, 5965..6024		
Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o5.ts	Method	TBLASTX:Soybean
Start	3753	End	4002
GI	none	Score	125
Exons	3753..3875, 3753..3878, 3754..3876, 3869..3991, 3877..4002, 3877..4002		
Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o6.ts	Method	TBLASTX:Soybean
Start	4461	End	4722
GI	none	Score	135
Exons	4461..4556, 4462..4554, 4463..4555, 4539..4721, 4553..4720, 4561..4722		
Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o7.tc	Method	TBLASTX:Cress
Start	4670	End	4895
GI	none	Score	218
Exons	4670..4867, 4671..4874, 4671..4895		
Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o4.ts	Method	TBLASTX:Soybean
Start	4830	End	6331
GI	none	Score	209
Exons	4830..4901, 5031..5264, 5040..5363, 5041..5382, 5041..5379, 5042..5383, 5640..5675, 5702..5755, 5708..5752, 5793..6095, 5815..6096, 5828..6106, 6144..6188, 6148..6189, 6188..6331, 6189..6314, 6191..6325		
Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o5.tc	Method	TBLASTX:Cress
Start	5040	End	5365
GI	none	Score	210
Exons	5040..5270, 5040..5264, 5041..5364, 5042..5365		
Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o1.tw	Method	TBLASTX:Wheat
Start	5571	End	5807
GI	none	Score	78
Exons	5571..5618, 5572..5622, 5572..5622, 5579..5623, 5618..5707, 5626..5697, 5706..5753, 5709..5759, 5710..5763, 5711..5764, 5763..5807, 5763..5807		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84896	Strand	
Start	3733	End	6331
Name	OJ991226_47.0309.C24.o3.tc	Method	TBLASTX:Cress
Start	5814	End	6331
GI	none	Score	213
Exons	5814..6017, 5814..6017, 5815..6018, 6012..6101, 6013..6090, 6171..6188, 6188..6331, 6189..6329		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84897	Strand	
Start	6332	End	6638
Name	OJ991226_47.0309.C24.o7.ts	Method	TBLASTX:Soybean
Start	6332	End	6607
GI	none	Score	270
Exons	6332..6607, 6339..6575, 6511..6606		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84897	Strand	
Start	6332	End	6638
Name	OJ991226_47.0309.C24.o6.tc	Method	TBLASTX:Cress
Start	6357	End	6638
GI	none	Score	106
Exons	6357..6431, 6357..6470, 6364..6477, 6364..6477, 6365..6478, 6477..6638, 6479..6637		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84898	Strand	
Start	6561	End	7177
Name	OJ991226_47.0309.C24.o2.tm	Method	TBLASTX:Maize
Start	6561	End	7004
GI	none	Score	163
Exons	6561..6755, 6617..6754, 6849..7004, 6863..7003		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84898	Strand	
Start	6561	End	7177
Name	OJ991226_47.0309.C24.o3.ts	Method	TBLASTX:Soybean
Start	6608	End	7104
GI	none	Score	713
Exons	6608..7033, 6609..7103, 6769..7104		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84898	Strand	
Start	6561	End	7177
Name	OJ991226_47.0309.C24.o2.tc	Method	TBLASTX:Cress
Start	6639	End	7177
GI	none	Score	48
Exons	6639..6749, 6720..7103, 6724..7014, 6731..7102, 6735..7121, 6754..7104, 7097..7132, 7098..7175, 7099..7176, 7103..7177		

Seq. No.	40973	Seq. ID	OJ991226_47.0309.C24
Gene No.	84899	Strand	
Start	7229	End	7380
Name	OJ991226_47.0309.C24.o8.tc	Method	TBLASTX:Cress
Start	7229	End	7380

GI	none	Score	196
Exons	7229..7378, 7231..7380, 7231..7380		

Seq. No.	40974	Seq. ID	OJ991226_39.0306.C2
Gene No.	84900	Strand	-
Start	1	End	628
Name	OJ991226_39.0306.C2.o1.np	Method	AAT/NAP
Start	1	End	628
GI	2498930	Score	717
Exons	1..400, 568..628		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	40974	Seq. ID	OJ991226_39.0306.C2
Gene No.	84900	Strand	-
Start	1	End	628
Name	OJ991226_39.0306.C2.o1.gs	Method	GENSCAN
Start	98	End	627
GI	none	Score	.47
Exons	98..400, 568..627		

Seq. No.	40975	Seq. ID	OJ991226_39.0306.C3
Gene No.	84901	Strand	+
Start	230	End	287
Name	OJ991226_39.0306.C3.o1.gp	Method	AAT/GAP
Start	230	End	287
GI	23204_1.R1084	Score	80
Exons	230..287		
GI Descrip.	'623586 2.0e-53 (L29273) putative [Nicotiana tabacum]'		

Seq. No.	40975	Seq. ID	OJ991226_39.0306.C3
Gene No.	84902	Strand	-
Start	662	End	779
Name	OJ991226_39.0306.C3.o1.gs	Method	GENSCAN
Start	662	End	779
GI	none	Score	.45
Exons	662..779		

Seq. No.	40976	Seq. ID	OJ991226_39.0306.C4
Gene No.	84903	Strand	+
Start	103	End	1081
Name	OJ991226_39.0306.C4.o1.gs	Method	GENSCAN
Start	103	End	1081
GI	none	Score	.77
Exons	103..315, 757..853, 890..1081		

Seq. No.	40976	Seq. ID	OJ991226_39.0306.C4
Gene No.	84904	Strand	-
Start	1898	End	5601
Name	OJ991226_39.0306.C4.o2.gs	Method	GENSCAN
Start	1898	End	5601
GI	none	Score	.73
Exons	1898..2103, 2341..2461, 2482..2527, 5468..5601		

Seq. No.	40977	Seq. ID	OJ991226_39.0306.C6
Gene No.	84905	Strand	+
Start	384	End	2131

Name	OJ991226_39.0306.C6.o1.gs	Method	GENSCAN
Start	384	End	2131
GI	none	Score	.81
Exons	384..448, 498..576, 1317..1343, 1473..1495, 1655..1878, 1932..2131		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84906	Strand	+
Start	1	End	703
Name	OJ991226_39.0306.C7.o1.gp	Method	AAT/GAP
Start	1	End	703
GI	none	Score	1290
Exons	1..703		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84906	Strand	+
Start	1	End	703
Name	OJ991226_39.0306.C7.o1.gs	Method	GENSCAN
Start	328	End	580
GI	none	Score	.57
Exons	328..430, 555..580		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o1.np	Method	AAT/NAP
Start	1	End	4887
GI	1885356	Score	757
Exons	1..33, 2419..2497, 3042..3176, 3527..3604, 3689..3787, 3886..3999, 4106..4261, 4818..4887		
GI Descrip.	(U59323) type 1 RNA helicase pNORF1 [Homo sapiens]		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	248	End	1665
GI	none	Score	83
Exons	248..433, 343..435, 376..444, 523..558, 534..554, 613..675, 648..686, 715..750, 721..747, 772..873, 772..873, 947..1069, 950..1069, 963..1076, 985..1077, 1164..1301, 1166..1294, 1177..1305, 1457..1531, 1458..1532, 1459..1533, 1596..1664, 1612..1665, 1613..1651, 1618..1665		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o2.gs	Method	GENSCAN
Start	789	End	4230
GI	none	Score	.78
Exons	789..842, 951..1067, 1459..1530, 1614..1676, 1751..2121, 3116..3176, 3527..3604, 3886..3999, 4106..4230		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o1.ts	Method	TBLASTX:Soybean

Start	822	End	3749
GI	none	Score	80
Exons	822..875, 972..1070, 982..1068, 1166..1264, 1179..1259, 1262..1294, 1459..1509, 1463..1510, 1614..1688, 1618..1650, 1761..1859, 1763..1885, 1922..2032, 2018..2116, 2019..2108, 2213..2314, 2223..2282, 2259..2318, 2420..2497, 2424..2498, 3036..3179, 3040..3180, 3042..3179, 3521..3607, 3531..3605, 3686..3748, 3687..3749		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o2.gp	Method	AAT/GAP
Start	1237	End	3722
GI	7810_1.R1084	Score	1656
Exons	1237..1293, 1459..1530, 1614..1676, 1751..2122, 2220..2331, 2423..2497, 3042..3176, 3527..3604, 3689..3722		
GI Descrip.	'1944407/dbj|BAA19664| 1.0e-47 (D86988) KIAA0221 [Homo sapiens]'		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o3.tm	Method	TBLASTX:Maize
Start	1749	End	1969
GI	none	Score	156
Exons	1749..1883, 1749..1883, 1750..1920, 1750..1917, 1921..1956, 1922..1957, 1922..1969		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o2.tm	Method	TBLASTX:Maize
Start	1982	End	3757
GI	none	Score	45
Exons	1982..2014, 1982..2014, 2013..2114, 2015..2122, 2016..2123, 2214..2318, 2216..2314, 2217..2318, 2420..2497, 2424..2498, 2424..2549, 2425..2499, 3005..3067, 3040..3177, 3040..3177, 3042..3179, 3522..3605, 3522..3605, 3526..3648, 3527..3607, 3685..3744, 3686..3757, 3687..3749, 3688..3756		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o1.tc	Method	TBLASTX:Cress
Start	3036	End	4280
GI	none	Score	106
Exons	3036..3173, 3040..3180, 3042..3176, 3530..3607, 3531..3605, 3532..3609, 3686..3787, 3687..3788, 3713..3790, 3865..3999, 3890..3997, 3898..4002, 4103..4267, 4106..4264, 4110..4268, 4113..4280		

Seq. No.	40978	Seq. ID	OJ991226_39.0306.C7
Gene No.	84907	Strand	-
Start	1	End	4887
Name	OJ991226_39.0306.C7.o2.ts	Method	TBLASTX:Soybean
Start	3955	End	4887
GI	none	Score	61

Exons	3955..3999, 3962..4000, 3965..4000, 3967..4002, 4103..4264, 4103..4267, 4110..4268, 4246..4362, 4815..4886, 4816..4887		
Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o1.np	Method	AAT/NAP
Start	1	End	6469
GI	2739355	Score	1636
Exons	1..202, 271..337, 428..499, 801..872, 949..1071, 1445..1553, 1892..2010, 2094..2150, 2242..2337, 2502..2594, 2719..2769, 2925..3095, 3202..3453, 4358..4653, 4728..4854, 6396..6469		
GI Descrip.	(AC003972) pNORF1 [Homo sapiens] gi|3328175 (AF074016) nonsense-mediated mRNA decay trans-acting factor [Homo sapiens]		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o1.tm	Method	TBLASTX:Maize
Start	51	End	466
GI	none	Score	210
Exons	51..203, 58..204, 269..340, 269..337, 425..466, 426..464		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o1.gs	Method	GENSCAN
Start	60	End	4966
GI	none	Score	.86
Exons	60..202, 271..337, 428..499, 801..872, 949..1071, 1445..1553, 1892..2010, 2094..2144, 2242..2337, 2502..2594, 2719..2769, 2925..3095, 3202..3453, 4358..4609, 4769..4966		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o1.gp	Method	AAT/GAP
Start	116	End	878
GI	LIB3475-002-P1-K2-G7	Score	536
Exons	116..202, 271..337, 428..499, 801..878		
GI Descrip.	'1885356 6.0e-34 (U59323) type 1 RNA helicase pNORF1 [Homo sapiens]'		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o1.tc	Method	TBLASTX:Cress
Start	162	End	1551
GI	none	Score	57
Exons	162..203, 169..204, 269..340, 269..337, 425..505, 426..506, 426..506, 798..875, 799..873, 937..1074, 938..1075, 947..1075, 1442..1537, 1443..1541, 1443..1547, 1444..1542, 1453..1551		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o1.ts	Method	TBLASTX:Soybean

Start	1930	End	2153
GI	none	Score	127
Exons	1930..2013, 1931..2011, 1934..2020, 1936..2016, 2091..2150, 2091..2153		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o2.tc	Method	TBLASTX:Cress
Start	2245	End	3001
GI	none	Score	105
Exons	2245..2337, 2500..2595, 2502..2597, 2502..2594, 2713..2769, 2910..2999, 2915..3001		

Seq. No.	40979	Seq. ID	OJ991226_39.0306.C8
Gene No.	84908	Strand	-
Start	1	End	6469
Name	OJ991226_39.0306.C8.o2.tm	Method	TBLASTX:Maize
Start	4802	End	4930
GI	none	Score	64
Exons	4802..4900, 4889..4930		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84909	Strand	+
Start	50	End	285
Name	OJ991226_39.0306.C9.o1.gs	Method	GENSCAN
Start	50	End	285
GI	none	Score	.91
Exons	50..285		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84910	Strand	+
Start	964	End	12197
Name	OJ991226_39.0306.C9.o1.np	Method	AAT/NAP
Start	964	End	12108
GI	7488885	Score	244
Exons	964..1119, 5990..6099, 8976..9137, 10666..10914, 11918..12108		
GI Descrip.	extensin-like protein 127 - cowpea (fragment) gi|791146|emb|CAA60020.1| (X86028) extensin-like protein [Vigna unguiculata]		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84910	Strand	+
Start	964	End	12197
Name	OJ991226_39.0306.C9.o3.gs	Method	GENSCAN
Start	6295	End	8180
GI	none	Score	.56
Exons	6295..6425, 6724..6781, 6914..6994, 8010..8180		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84910	Strand	+
Start	964	End	12197
Name	OJ991226_39.0306.C9.o5.gs	Method	GENSCAN
Start	11871	End	12197
GI	none	Score	.86
Exons	11871..12197		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84911	Strand	-
Start	9121	End	10893
Name	OJ991226_39.0306.C9.o4.gs	Method	GENSCAN
Start	9121	End	10893
GI	none	Score	.83
Exons	9121..9245, 10740..10893		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84912	Strand	
Start	11936	End	12184
Name	OJ991226_39.0306.C9.o1.tw	Method	TBLASTX:Wheat
Start	11936	End	12166
GI	none	Score	223
Exons	11936..12166, 11949..12152, 12092..12160		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84912	Strand	
Start	11936	End	12184
Name	OJ991226_39.0306.C9.o1.tm	Method	TBLASTX:Maize
Start	11948	End	12184
GI	none	Score	264
Exons	11948..12166, 11949..12152, 12095..12184		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84912	Strand	
Start	11936	End	12184
Name	OJ991226_39.0306.C9.o1.ts	Method	TBLASTX:Soybean
Start	11955	End	12166
GI	none	Score	206
Exons	11955..12152, 11960..12166		

Seq. No.	40980	Seq. ID	OJ991226_39.0306.C9
Gene No.	84912	Strand	
Start	11936	End	12184
Name	OJ991226_39.0306.C9.o1.tc	Method	TBLASTX:Cress
Start	12005	End	12152
GI	none	Score	188
Exons	12005..12151, 12006..12152		

Seq. No.	40981	Seq. ID	OJ991226_39.0306.C10
Gene No.	84913	Strand	+
Start	1	End	2464
Name	OJ991226_39.0306.C10.o1.np	Method	AAT/NAP
Start	1	End	2445
GI	7485034	Score	774
Exons	1..20, 554..934, 983..1249, 1313..2445		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245120|emb|CAB10542.1| (Z97343) hypothetical protein [Arabidopsis thaliana] gi|7268514|emb|CAB78765.1| (AL161546) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40981	Seq. ID	OJ991226_39.0306.C10
Gene No.	84913	Strand	+
Start	1	End	2464
Name	OJ991226_39.0306.C10.o1.gs	Method	GENSCAN
Start	530	End	2464

GI	none	Score	.77
Exons	530..2464		

Seq. No.	40981	Seq. ID	OJ991226_39.0306.C10
Gene No.	84913	Strand	+
Start	1	End	2464
Name	OJ991226_39.0306.C10.o2.tm	Method	TBLASTX:Maize
Start	1709	End	1984
GI	none	Score	283
Exons	1709..1981, 1709..1984		

Seq. No.	40981	Seq. ID	OJ991226_39.0306.C10
Gene No.	84913	Strand	+
Start	1	End	2464
Name	OJ991226_39.0306.C10.o1.tm	Method	TBLASTX:Maize
Start	1986	End	2400
GI	none	Score	547
Exons	1986..2399, 1987..2400, 1988..2398		

Seq. No.	40981	Seq. ID	OJ991226_39.0306.C10
Gene No.	84913	Strand	+
Start	1	End	2464
Name	OJ991226_39.0306.C10.o1.tc	Method	TBLASTX:Cress
Start	1994	End	2380
GI	none	Score	318
Exons	1994..2380, 2026..2181		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84914	Strand	+
Start	1506	End	3961
Name	OJ991226_39.0306.C11.o1.gs	Method	GENSCAN
Start	1506	End	3724
GI	none	Score	.9
Exons	1506..1778, 1843..1959, 3380..3724		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84914	Strand	+
Start	1506	End	3961
Name	OJ991226_39.0306.C11.o1.gp	Method	AAT/GAP
Start	1714	End	3961
GI	19698_1.R1084	Score	1179
Exons	1714..1778, 3380..3961		
GI Descrip.	'2493046/sp|Q40089|ATP4_IPOBA 6.0e-54 ATP SYNTHASE DELTA'' CHAIN, MITOCHONDRIAL PRECURSOR >gi_82297_pir__A41740 H+-transporting ATP synthase (EC 3.6.1.34) delta'' chain precursor - sweet potato >gi_217938_dbj_BAA01511_ (D10660) mitochondrial F1-ATPase delta subunit [Ipomoea batatas]'		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84915	Strand	+
Start	13179	End	13486
Name	OJ991226_39.0306.C11.o2.gp	Method	AAT/GAP
Start	13179	End	13486
GI	none	Score	572
Exons	13179..13486		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11

Gene No.	84916	Strand	-
Start	1744	End	16956
Name	OJ991226_39.0306.C11.o1.np	Method	AAT/NAP
Start	1744	End	7993
GI	6681335	Score	729
Exons	1744..1830, 4897..5303, 6044..6166, 6624..6887, 7607..7993		
GI Descrip.	(AC015985) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84916	Strand	-
Start	1744	End	16956
Name	OJ991226_39.0306.C11.o2.gs	Method	GENSCAN
Start	4705	End	16956
GI	none	Score	.52
Exons	4705..5303, 5693..5804, 6044..6166, 6624..6887, 7607..8003, 10606..10628, 12262..12374, 13411..13619, 14024..14178, 14256..14365, 15193..15498, 16716..16956		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84916	Strand	-
Start	1744	End	16956
Name	OJ991226_39.0306.C11.o2.np	Method	AAT/NAP
Start	13489	End	16956
GI	6016428	Score	947
Exons	13489..13619, 14013..14178, 14256..14365, 15193..15411, 16752..16956		
GI Descrip.	PUTATIVE CASEIN KINASE II BETA-4 CHAIN (CK II) gi|3341688|gb|AAC27470.1| (AC003672) putative casein kinase II beta subunit [Arabidopsis thaliana]		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84916	Strand	-
Start	1744	End	16956
Name	OJ991226_39.0306.C11.o3.gp	Method	AAT/GAP
Start	13491	End	15333
GI	LIB3432-034-P2-K1-H4	Score	990
Exons	13491..13619, 14013..14178, 14256..14365, 15193..15333		
GI Descrip.	'729882/sp|P40229|KC2C_ARATH 5.0e-99 CASEIN KINASE II BETA'' CHAIN (CK II) >gi_1076300_pir__S47968 casein kinase II (EC 2.7.1.-) beta chain CKB2 - Arabidopsis thaliana >gi_467975 (U03984) casein kinase II beta subunit CKB2 [Arabidopsis thaliana] >gi_2245122_emb_CAB10544.1_ (Z97343) casein kinase II beta chain CKB2 [Arabidopsis thaliana]'		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	1577	End	3956
GI	none	Score	222
Exons	1577..1795, 1590..1781, 3333..3545, 3371..3754, 3377..3757, 3606..3755, 3781..3831, 3784..3807, 3811..3873, 3813..3878, 3894..3956		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536

Name	OJ991226_39.0306.C11.o1.tw	Method	TBLASTX:Wheat
Start	1583	End	3734
GI	none	Score	190
Exons	1583..1795, 1635..1781, 3371..3724, 3377..3724, 3378..3725, 3612..3734, 3622..3732		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	1589	End	3724
GI	none	Score	186
Exons	1589..1795, 1590..1781, 3339..3542, 3359..3724, 3379..3720		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	1634	End	3724
GI	none	Score	169
Exons	1634..1780, 1635..1781, 3355..3720, 3359..3724		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o2.tw	Method	TBLASTX:Wheat
Start	4993	End	6124
GI	none	Score	128
Exons	4993..5103, 5133..5318, 5143..5301, 6041..6124		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o4.ts	Method	TBLASTX:Soybean
Start	4993	End	5319
GI	none	Score	136
Exons	4993..5109, 5133..5318, 5137..5319		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o3.tm	Method	TBLASTX:Maize
Start	4993	End	6740
GI	none	Score	140
Exons	4993..5103, 5133..5318, 5134..5304, 6039..6164, 6041..6166, 6642..6740		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o3.tc	Method	TBLASTX:Cress
Start	4993	End	6169
GI	none	Score	91
Exons	4993..5094, 5112..5318, 5143..5304, 6041..6169, 6042..6158		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-

Start	18172	End	18536
Name	OJ991226_39.0306.C11.o3.ts	Method	TBLASTX:Soybean
Start	6008	End	7846
GI	none	Score	62
Exons	6008..6172, 6041..6160, 6042..6167, 6606..6797, 6618..6797, 6622..6801, 6798..6893, 6807..6893, 6830..6895, 7670..7846		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o3.tw	Method	TBLASTX:Wheat
Start	6639	End	7735
GI	none	Score	85
Exons	6639..6788, 6640..6768, 6807..6845, 6846..6890, 7694..7735		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o4.tc	Method	TBLASTX:Cress
Start	6639	End	7798
GI	none	Score	71
Exons	6639..6788, 6640..6786, 6807..6893, 6810..6890, 7607..7648, 7694..7798		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o2.tm	Method	TBLASTX:Maize
Start	13217	End	16900
GI	none	Score	201
Exons	13217..13300, 13349..13375, 13489..13620, 13490..13618, 14008..14184, 14009..14179, 14013..14183, 14235..14366, 14256..14366, 15190..15417, 15191..15352, 15195..15413, 15244..15414, 16696..16779, 16700..16780, 16717..16788, 16846..16899, 16852..16899, 16853..16900		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o2.ts	Method	TBLASTX:Soybean
Start	13471	End	16896
GI	none	Score	144
Exons	13471..13620, 13472..13618, 13475..13642, 13967..14179, 14008..14184, 14235..14366, 14256..14366, 15191..15352, 15192..15380, 15220..15411, 15247..15393, 16852..16896		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11
Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o2.tc	Method	TBLASTX:Cress
Start	13489	End	15396
GI	none	Score	151
Exons	13489..13620, 13490..13618, 14008..14184, 14009..14179, 14235..14366, 14256..14366, 14257..14367, 15188..15352, 15192..15380, 15192..15395, 15196..15396, 15244..15396		

Seq. No.	40982	Seq. ID	OJ991226_39.0306.C11

Gene No.	84917	Strand	-
Start	18172	End	18536
Name	OJ991226_39.0306.C11.o4.gp	Method	AAT/GAP
Start	18172	End	18536
GI	LIB3477-003-P1-K1-E9	Score	92
Exons	18172..18223, 18496..18536		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40983	Seq. ID	OJ991226_39.0306.C12
Gene No.	84918	Strand	+
Start	314	End	487
Name	OJ991226_39.0306.C12.o1.gs	Method	GENSCAN
Start	314	End	487
GI	none	Score	.57
Exons	314..487		

Seq. No.	40983	Seq. ID	OJ991226_39.0306.C12
Gene No.	84919	Strand	-
Start	1	End	2727
Name	OJ991226_39.0306.C12.o1.np	Method	AAT/NAP
Start	1	End	2722
GI	7485211	Score	173
Exons	1..46, 1892..1945, 2385..2455, 2684..2722		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245062|emb|CAB10485.1| (Z97342) hypothetical protein [Arabidopsis thaliana] gi|7268456|emb|CAB80976.1| (AL161545) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40983	Seq. ID	OJ991226_39.0306.C12
Gene No.	84919	Strand	-
Start	1	End	2727
Name	OJ991226_39.0306.C12.o1.gp	Method	AAT/GAP
Start	1236	End	2727
GI	1397_1.R1084	Score	1400
Exons	1236..1809, 1892..1945, 2385..2455, 2684..2727		
GI Descrip.	'2245062/emb|CAB10485.1| 6.0e-46 (Z97342) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40983	Seq. ID	OJ991226_39.0306.C12
Gene No.	84919	Strand	-
Start	1	End	2727
Name	OJ991226_39.0306.C12.o2.gs	Method	GENSCAN
Start	1275	End	2509
GI	none	Score	.41
Exons	1275..1358, 1780..1945, 2385..2509		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84920	Strand	+
Start	6071	End	9973
Name	OJ991226_39.0306.C13.o2.gs	Method	GENSCAN
Start	6071	End	9645
GI	none	Score	.87
Exons	6071..6517, 7315..7454, 7848..7946, 8679..8835, 8913..8976, 9350..9645		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84920	Strand	+
Start	6071	End	9973
Name	OJ991226_39.0306.C13.o2.gp	Method	AAT/GAP
Start	6363	End	8454
GI	30101_1.R1084	Score	1513
Exons	6363..6517, 7315..7454, 7661..7760, 7848..7946, 8036..8454		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84920	Strand	+
Start	6071	End	9973
Name	OJ991226_39.0306.C13.o3.gp	Method	AAT/GAP
Start	8745	End	9973
GI	11657_1.R1084	Score	1687
Exons	8745..8835, 8913..9119, 9382..9973		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84921	Strand	-
Start	1	End	3052
Name	OJ991226_39.0306.C13.o1.gp	Method	AAT/GAP
Start	1	End	2906
GI	1397_1.R1084	Score	825
Exons	1..174, 561..646, 1379..1445, 1671..1710, 2030..2106, 2186..2273, 2857..2906		
GI Descrip.	'2245062/emb|CAB10485.1| 6.0e-46 (Z97342) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84921	Strand	-
Start	1	End	3052
Name	OJ991226_39.0306.C13.o1.gs	Method	GENSCAN
Start	1888	End	3052
GI	none	Score	.83
Exons	1888..1928, 2030..2106, 2186..2273, 2857..3052		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o3.ts	Method	TBLASTX:Soybean
Start	90	End	2962
GI	none	Score	76
Exons	90..149, 94..150, 554..652, 558..662, 2034..2105, 2041..2106, 2185..2268, 2185..2274, 2186..2278, 2858..2962		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o2.tc	Method	TBLASTX:Cress
Start	2025	End	2909
GI	none	Score	89
Exons	2025..2102, 2026..2118, 2035..2106, 2175..2267, 2185..2274, 2186..2275, 2186..2275, 2858..2908, 2859..2909		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o5.ts	Method	TBLASTX:Soybean
Start	6380	End	7455
GI	none	Score	173
Exons	6380..6502, 7278..7454, 7306..7347, 7307..7354, 7347..7454, 7348..7455		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o2.ts	Method	TBLASTX:Soybean
Start	7660	End	8328
GI	none	Score	49
Exons	7660..7758, 7829..7951, 7834..7920, 7845..7949, 8033..8326, 8035..8328		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o4.ts	Method	TBLASTX:Soybean
Start	9379	End	9770
GI	none	Score	169
Exons	9379..9495, 9379..9513, 9399..9512, 9603..9641, 9604..9645, 9738..9770		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o1.np	Method	AAT/NAP
Start	10489	End	13641
GI	4826399	Score	483
Exons	10489..10542, 11622..12490, 13599..13641		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o3.gs	Method	GENSCAN
Start	10633	End	12617
GI	none	Score	.65
Exons	10633..11538, 11568..12617		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o1.tc	Method	TBLASTX:Cress
Start	10759	End	12434
GI	none	Score	66
Exons	10759..11028, 11075..11101, 11284..11460, 11284..11445, 11646..11810, 11850..12347, 11872..12351, 12360..12434		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o1.tm	Method	TBLASTX:Maize

Start	10846	End	12434
GI	none	Score	108
Exons	10846..11040, 11284..11445, 11637..11801, 11856..12347, 11857..12081, 12118..12333, 12360..12434, 12367..12429		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o1.ts	Method	TBLASTX:Soybean
Start	10846	End	12446
GI	none	Score	333
Exons	10846..11034, 11125..11208, 11284..11364, 11850..12446, 11860..12429		

Seq. No.	40984	Seq. ID	OJ991226_39.0306.C13
Gene No.	84922	Strand	-
Start	10633	End	13641
Name	OJ991226_39.0306.C13.o1.tw	Method	TBLASTX:Wheat
Start	10852	End	12246
GI	none	Score	73
Exons	10852..10944, 11865..11972, 11866..11973, 11985..12170, 12013..12150, 12174..12245, 12199..12246		

Seq. No.	40985	Seq. ID	OJ991226_39.0306.C14
Gene No.	84923	Strand	-
Start	483	End	2547
Name	OJ991226_39.0306.C14.o1.gs	Method	GENSCAN
Start	483	End	2547
GI	none	Score	.71
Exons	483..639, 1628..2110, 2125..2297, 2314..2547		

Seq. No.	40986	Seq. ID	OJ991226_32.0308.C3
Gene No.	84924	Strand	+
Start	4194	End	5994
Name	OJ991226_32.0308.C3.o3.tm	Method	TBLASTX:Maize
Start	1902	End	2112
GI	none	Score	57
Exons	1902..1967, 1927..2112, 1943..2098, 1953..2111		

Seq. No.	40986	Seq. ID	OJ991226_32.0308.C3
Gene No.	84924	Strand	+
Start	4194	End	5994
Name	OJ991226_32.0308.C3.o1.tm	Method	TBLASTX:Maize
Start	2412	End	2698
GI	none	Score	271
Exons	2412..2669, 2432..2668, 2435..2698		

Seq. No.	40986	Seq. ID	OJ991226_32.0308.C3
Gene No.	84924	Strand	+
Start	4194	End	5994
Name	OJ991226_32.0308.C3.o1.ts	Method	TBLASTX:Soybean
Start	2426	End	2665
GI	none	Score	72
Exons	2426..2587, 2579..2665		

Seq. No.	40986	Seq. ID	OJ991226_32.0308.C3
Gene No.	84924	Strand	+

Start	4194	End	5994
Name	OJ991226_32.0308.C3.o1.gp	Method	AAT/GAP
Start	4194	End	5994
GI	none	Score	1214
Exons	4194..4324, 4426..4479, 4579..4689, 4771..4841, 5106..5299, 5871..5994		

Seq. No.	40986	Seq. ID	OJ991226_32.0308.C3
Gene No.	84924	Strand	+
Start	4194	End	5994
Name	OJ991226_32.0308.C3.o2.tm	Method	TBLASTX:Maize
Start	4577	End	5942
GI	none	Score	82
Exons	4577..4651, 4770..4820, 4780..4848, 4781..4840, 5075..5302, 5101..5283, 5123..5299, 5124..5342, 5868..5942, 5868..5942		

Seq. No.	40987	Seq. ID	OJ991226_32.0308.C5
Gene No.	84925	Strand	-
Start	3620	End	7017
Name	OJ991226_32.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	2872	End	7017
GI	none	Score	163
Exons	2872..2988, 2874..2987, 3393..3509, 3398..3511, 3398..3511, 3615..3677, 3619..3681, 3620..3709, 3885..4025, 3925..4026, 3925..4023, 3932..4033, 3953..4033, 4107..4229, 4121..4249, 4124..4231, 4313..4396, 4314..4409, 4318..4407, 6197..6271, 6363..6461, 6367..6453, 6369..6455, 6964..7017, 6965..7015		

Seq. No.	40987	Seq. ID	OJ991226_32.0308.C5
Gene No.	84925	Strand	-
Start	3620	End	7017
Name	OJ991226_32.0308.C5.o1.gp	Method	AAT/GAP
Start	3620	End	6441
GI	uC-osflcyp061d04b1	Score	882
Exons	3620..3681, 3925..4023, 4124..4228, 4314..4393, 6197..6269, 6363..6441		

GI_Descrip. '2623248 2.0e-37 (AF030882) SU1 isoamylase [Zea mays]'

Seq. No.	40987	Seq. ID	OJ991226_32.0308.C5
Gene No.	84926	Strand	
Start	7872	End	8355
Name	OJ991226_32.0308.C5.o2.tm	Method	TBLASTX:Maize
Start	7872	End	8355
GI	none	Score	62
Exons	7872..7907, 7873..7914, 8245..8355, 8253..8354		

Seq. No.	40988	Seq. ID	OJ991226_32.0308.C7
Gene No.	84927	Strand	+
Start	465	End	930
Name	OJ991226_32.0308.C7.o1.gp	Method	AAT/GAP
Start	465	End	930
GI	none	Score	871
Exons	465..930		

Seq. No.	40989	Seq. ID	OJ991226_32.0308.C9
Gene No.	84928	Strand	-
Start	1590	End	2078

Name	OJ991226_32.0308.C9.o1.gp	Method	AAT/GAP
Start	1590	End	2078
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	1590..1637, 2023..2078		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40989	Seq. ID	OJ991226_32.0308.C9
Gene No.	84929	Strand	-
Start	4609	End	4847
Name	OJ991226_32.0308.C9.o2.gp	Method	AAT/GAP
Start	4609	End	4847
GI	10054_1.R1084	Score	419
Exons	4609..4847		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 6.0e-25 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue-Cu protein [Pisum sativum]'		

Seq. No.	40989	Seq. ID	OJ991226_32.0308.C9
Gene No.	84929	Strand	-
Start	4609	End	4847
Name	OJ991226_32.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	4627	End	4830
GI	none	Score	188
Exons	4627..4830		

Seq. No.	40989	Seq. ID	OJ991226_32.0308.C9
Gene No.	84929	Strand	-
Start	4609	End	4847
Name	OJ991226_32.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	4633	End	4830
GI	none	Score	69
Exons	4633..4830, 4649..4705		

Seq. No.	40990	Seq. ID	OJ991226_32.0308.C14
Gene No.	84930	Strand	+
Start	1	End	562
Name	OJ991226_32.0308.C14.o1.gp	Method	AAT/GAP
Start	1	End	559
GI	none	Score	395
Exons	1..80, 363..559		

Seq. No.	40990	Seq. ID	OJ991226_32.0308.C14
Gene No.	84930	Strand	+
Start	1	End	562
Name	OJ991226_32.0308.C14.o1.tm	Method	TBLASTX:Maize
Start	335	End	562
GI	none	Score	204
Exons	335..562, 361..558		

Seq. No.	40991	Seq. ID	OJ991226_32.0308.C16
Gene No.	84931	Strand	
Start	1189	End	1345
Name	OJ991226_32.0308.C16.o1.tm	Method	TBLASTX:Maize
Start	1189	End	1345

GI	none	Score	79
Exons	1189..1251, 1191..1247, 1192..1251, 1196..1345, 1309..1344		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19
Gene No.	84932	Strand	
Start	5338	End	8155
Name	OJ991226_32.0308.C19.o1.tm	Method	TBLASTX:Maize
Start	5338	End	8053
GI	none	Score	58
Exons	5338..5412, 5343..5402, 5395..5478, 5409..5513, 5504..5560, 5518..5553, 5889..6035, 5891..6010, 5898..6035, 5899..6036, 6048..6290, 6091..6300, 6113..6289, 6117..6299, 6776..6856, 6789..6887, 6789..6887, 6790..6888, 6790..6888, 7040..7219, 7056..7229, 7072..7221, 7296..7382, 7312..7383, 7330..7383, 7910..8053, 7911..8051, 7916..8053		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19
Gene No.	84932	Strand	
Start	5338	End	8155
Name	OJ991226_32.0308.C19.o2.ts	Method	TBLASTX:Soybean
Start	5889	End	6887
GI	none	Score	70
Exons	5889..6035, 5914..6024, 6128..6283, 6135..6275, 6795..6887		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19
Gene No.	84932	Strand	
Start	5338	End	8155
Name	OJ991226_32.0308.C19.o3.ts	Method	TBLASTX:Soybean
Start	7910	End	8155
GI	none	Score	74
Exons	7910..8044, 8078..8155, 8085..8153		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19
Gene No.	84933	Strand	
Start	8072	End	8431
Name	OJ991226_32.0308.C19.o3.tm	Method	TBLASTX:Maize
Start	8072	End	8431
GI	none	Score	70
Exons	8072..8164, 8082..8159, 8223..8429, 8225..8431		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19
Gene No.	84934	Strand	
Start	9485	End	9796
Name	OJ991226_32.0308.C19.o2.tm	Method	TBLASTX:Maize
Start	9485	End	9787
GI	none	Score	227
Exons	9485..9787		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19
Gene No.	84934	Strand	
Start	9485	End	9796
Name	OJ991226_32.0308.C19.o1.ts	Method	TBLASTX:Soybean
Start	9494	End	9796
GI	none	Score	106
Exons	9494..9706, 9692..9796		

Seq. No.	40992	Seq. ID	OJ991226_32.0308.C19

Gene No.	84934	Strand	
Start	9485	End	9796
Name	OJ991226_32.0308.C19.o1.tc	Method	TBLASTX:Cress
Start	9545	End	9784
GI	none	Score	221
Exons	9545..9784		

Seq. No.	40993	Seq. ID	OJ991226_32.0308.C23
Gene No.	84935	Strand	-
Start	541	End	2220
Name	OJ991226_32.0308.C23.o1.gp	Method	AAT/GAP
Start	541	End	2220
GI	1062_1.R1084	Score	2772
Exons	541..1248, 1375..1721, 1839..2220		
GI Descrip.	'4106673/emb|CAA22613| 7.0e-35 (AL035064) queuine trna-ribosyltransferase [Schizosaccharomyces pombe]'		

Seq. No.	40993	Seq. ID	OJ991226_32.0308.C23
Gene No.	84935	Strand	-
Start	541	End	2220
Name	OJ991226_32.0308.C23.o1.tm	Method	TBLASTX:Maize
Start	767	End	1722
GI	none	Score	37
Exons	767..847, 826..945, 862..990, 896..988, 1159..1221, 1201..1257, 1351..1470, 1369..1641, 1375..1614, 1472..1642, 1678..1722		

Seq. No.	40993	Seq. ID	OJ991226_32.0308.C23
Gene No.	84935	Strand	-
Start	541	End	2220
Name	OJ991226_32.0308.C23.o1.ts	Method	TBLASTX:Soybean
Start	1369	End	1642
GI	none	Score	92
Exons	1369..1641, 1472..1531, 1607..1642		

Seq. No.	40993	Seq. ID	OJ991226_32.0308.C23
Gene No.	84935	Strand	-
Start	541	End	2220
Name	OJ991226_32.0308.C23.o1.tc	Method	TBLASTX:Cress
Start	1372	End	1701
GI	none	Score	35
Exons	1372..1701, 1384..1437, 1472..1528		

Seq. No.	40993	Seq. ID	OJ991226_32.0308.C23
Gene No.	84935	Strand	-
Start	541	End	2220
Name	OJ991226_32.0308.C23.o1.tw	Method	TBLASTX:Wheat
Start	1441	End	1713
GI	none	Score	165
Exons	1441..1614, 1441..1641, 1472..1642, 1681..1713		

Seq. No.	40994	Seq. ID	OJ991226_32.0308.C28
Gene No.	84936	Strand	
Start	3151	End	3743
Name	OJ991226_32.0308.C28.o1.tm	Method	TBLASTX:Maize
Start	3151	End	3743
GI	none	Score	127
Exons	3151..3267, 3152..3268, 3499..3741, 3510..3743, 3511..3738,		

3512..3742

Seq. No.	40994	Seq. ID	OJ991226_32.0308.C28
Gene No.	84936	Strand	
Start	3151	End	3743
Name	OJ991226_32.0308.C28.o1.ts	Method	TBLASTX:Soybean
Start	3547	End	3743
GI	none	Score	185
Exons	3547..3741, 3548..3742, 3549..3743		

Seq. No.	40995	Seq. ID	OJ991226_32.0308.C29
Gene No.	84937	Strand	
Start	693	End	1844
Name	OJ991226_32.0308.C29.o2.tm	Method	TBLASTX:Maize
Start	693	End	1027
GI	none	Score	223
Exons	693..914, 703..945, 709..1026, 710..1027		

Seq. No.	40995	Seq. ID	OJ991226_32.0308.C29
Gene No.	84937	Strand	
Start	693	End	1844
Name	OJ991226_32.0308.C29.o1.ts	Method	TBLASTX:Soybean
Start	699	End	1026
GI	none	Score	127
Exons	699..803, 703..948, 709..1026, 837..1019, 851..1021		

Seq. No.	40995	Seq. ID	OJ991226_32.0308.C29
Gene No.	84937	Strand	
Start	693	End	1844
Name	OJ991226_32.0308.C29.o1.tc	Method	TBLASTX:Cress
Start	715	End	1844
GI	none	Score	77
Exons	715..1026, 728..784, 733..837, 866..1021, 1736..1843, 1737..1844		

Seq. No.	40995	Seq. ID	OJ991226_32.0308.C29
Gene No.	84938	Strand	
Start	1757	End	2299
Name	OJ991226_32.0308.C29.o1.tm	Method	TBLASTX:Maize
Start	1757	End	2246
GI	none	Score	161
Exons	1757..1897, 1758..1889, 1843..1932, 1922..1954, 1937..1954, 1955..2245, 1956..2246		

Seq. No.	40995	Seq. ID	OJ991226_32.0308.C29
Gene No.	84938	Strand	
Start	1757	End	2299
Name	OJ991226_32.0308.C29.o2.ts	Method	TBLASTX:Soybean
Start	1940	End	2224
GI	none	Score	191
Exons	1940..2224, 1941..2222		

Seq. No.	40995	Seq. ID	OJ991226_32.0308.C29
Gene No.	84938	Strand	
Start	1757	End	2299
Name	OJ991226_32.0308.C29.o2.tc	Method	TBLASTX:Cress
Start	2102	End	2299
GI	none	Score	143

Exons	2102..2299, 2103..2273		
Seq. No.	40996	Seq. ID	OJ991226_32.0308.C30
Gene No.	84939	Strand	-
Start	846	End	1454
Name	OJ991226_32.0308.C30.o1.gp	Method	AAT/GAP
Start	846	End	1454
GI	18058_1.R1084	Score	734
Exons	846..877, 1002..1454		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	40996	Seq. ID	OJ991226_32.0308.C30
Gene No.	84940	Strand	-
Start	2844	End	4569
Name	OJ991226_32.0308.C30.o2.gp	Method	AAT/GAP
Start	2844	End	4569
GI	568337	Score	667
Exons	2844..2902, 3148..3189, 3278..3344, 3557..3677, 3792..3848, 4521..4569		
GI Descrip.	4106673/emb|CAA22613| 7.0e-35 (AL035064) queuine trna-ribosyltransferase [Schizosaccharomyces pombe]		

Seq. No.	40996	Seq. ID	OJ991226_32.0308.C30
Gene No.	84941	Strand	-
Start	5095	End	6689
Name	OJ991226_32.0308.C30.o2.tm	Method	TBLASTX:Maize
Start	1491	End	2124
GI	none	Score	63
Exons	1491..1556, 1513..1578, 1514..1573, 1769..1801, 1776..1799, 1881..1931, 1882..1923, 1890..1931, 2007..2111, 2007..2117, 2008..2124		

Seq. No.	40996	Seq. ID	OJ991226_32.0308.C30
Gene No.	84941	Strand	-
Start	5095	End	6689
Name	OJ991226_32.0308.C30.o1.ts	Method	TBLASTX:Soybean
Start	2046	End	2676
GI	none	Score	68
Exons	2046..2108, 2047..2109, 2209..2283, 2210..2284, 2555..2671, 2557..2676, 2558..2674		

Seq. No.	40996	Seq. ID	OJ991226_32.0308.C30
Gene No.	84941	Strand	-
Start	5095	End	6689
Name	OJ991226_32.0308.C30.o1.tm	Method	TBLASTX:Maize
Start	3554	End	4572
GI	none	Score	160
Exons	3554..3634, 3558..3683, 3559..3678, 3782..3847, 3792..3908, 3792..3851, 4521..4571, 4521..4571, 4522..4572		

Seq. No.	40996	Seq. ID	OJ991226_32.0308.C30
Gene No.	84941	Strand	-
Start	5095	End	6689
Name	OJ991226_32.0308.C30.o3.gp	Method	AAT/GAP
Start	5095	End	6689
GI	uC-osflcyp086a11b1	Score	876

Exons	5095..5279, 5465..5558, 6349..6408, 6547..6689
GI Descrip.	'3122933/sp|Q23623|TGT_CAEEL 1.0e-26 PUTATIVE QUEUINE TRNA-RIBOSYLTRANSFERASE (TRNA-GUANINE TRANSGLYCOSYLASE) (GUANINE INSERTION ENZYME) >gi_3881825_emb_CAA98076.1_ (Z73899) Similarity to Haemophilus Queuine tRNA-ribosyltransferase (SW:TGT_HAEIN); cDNA EST yk673g6.3 comes from this gene [Caenorhabditis elegans]'

Seq. No.	40997	Seq. ID	OJ991216_04.0316.C4
Gene No.	84942	Strand	+
Start	416	End	532
Name	OJ991216_04.0316.C4.o1.gs	Method	GENSCAN
Start	416	End	532
GI	none	Score	.9
Exons	416..532		

Seq. No.	40997	Seq. ID	OJ991216_04.0316.C4
Gene No.	84943	Strand	-
Start	2863	End	2964
Name	OJ991216_04.0316.C4.o1.np	Method	AAT/NAP
Start	1518	End	2930
GI	7340868	Score	166
Exons	1518..1644, 2756..2930		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	40997	Seq. ID	OJ991216_04.0316.C4
Gene No.	84943	Strand	-
Start	2863	End	2964
Name	OJ991216_04.0316.C4.o2.gs	Method	GENSCAN
Start	2863	End	2964
GI	none	Score	.98
Exons	2863..2964		

Seq. No.	40997	Seq. ID	OJ991216_04.0316.C4
Gene No.	84944	Strand	-
Start	4255	End	4919
Name	OJ991216_04.0316.C4.o2.np	Method	AAT/NAP
Start	4255	End	4919
GI	6815099	Score	72
Exons	4255..4389, 4744..4919		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40998	Seq. ID	OJ991216_04.0316.C5
Gene No.	84945	Strand	-
Start	578	End	2995
Name	OJ991216_04.0316.C5.o1.gs	Method	GENSCAN
Start	578	End	2995
GI	none	Score	.68
Exons	578..649, 939..1015, 1301..1621, 2685..2995		

Seq. No.	40999	Seq. ID	OJ991216_04.0316.C9
Gene No.	84946	Strand	-
Start	1	End	1201
Name	OJ991216_04.0316.C9.o1.np	Method	AAT/NAP
Start	1	End	1201
GI	7487572	Score	339
Exons	1..267, 360..757, 848..913, 1181..1201		

GI Descrip. hypothetical protein T30B22.29 - Arabidopsis thaliana (fragment)

Seq. No.	40999	Seq. ID	OJ991216_04.0316.C9
Gene No.	84946	Strand	-
Start	1	End	1201
Name	OJ991216_04.0316.C9.o1.gs	Method	GENSCAN
Start	19	End	902
GI	none	Score	.66
Exons	19..270, 360..757, 848..902		

Seq. No.	40999	Seq. ID	OJ991216_04.0316.C9
Gene No.	84946	Strand	-
Start	1	End	1201
Name	OJ991216_04.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	236	End	719
GI	none	Score	44
Exons	236..262, 366..719, 411..716		

Seq. No.	41000	Seq. ID	OJ991216_04.0316.C10
Gene No.	84947	Strand	-
Start	184	End	3207
Name	OJ991216_04.0316.C10.o1.gs	Method	GENSCAN
Start	184	End	1849
GI	none	Score	.85
Exons	184..280, 1625..1695, 1769..1849		

Seq. No.	41000	Seq. ID	OJ991216_04.0316.C10
Gene No.	84947	Strand	-
Start	184	End	3207
Name	OJ991216_04.0316.C10.o1.np	Method	AAT/NAP
Start	184	End	3207
GI	7487572	Score	332
Exons	184..280, 1625..1695, 1769..1849, 2794..2864, 3181..3207		
GI Descrip.	hypothetical protein T30B22.29 - Arabidopsis thaliana (fragment)		

Seq. No.	41001	Seq. ID	OJ991216_04.0316.C12
Gene No.	84948	Strand	-
Start	137	End	2154
Name	OJ991216_04.0316.C12.o1.gs	Method	GENSCAN
Start	137	End	1966
GI	none	Score	.77
Exons	137..143, 609..715, 804..881, 961..1095, 1517..1653, 1815..1966		

Seq. No.	41001	Seq. ID	OJ991216_04.0316.C12
Gene No.	84948	Strand	-
Start	137	End	2154
Name	OJ991216_04.0316.C12.o1.ts	Method	TBLASTX:Soybean
Start	609	End	1490
GI	none	Score	129
Exons	609..713, 609..701, 617..715, 772..912, 804..881, 961..1083, 963..1046, 968..1072, 1404..1490, 1412..1489		

Seq. No.	41001	Seq. ID	OJ991216_04.0316.C12
Gene No.	84948	Strand	-
Start	137	End	2154
Name	OJ991216_04.0316.C12.o1.np	Method	AAT/NAP
Start	631	End	2154

GI	6598380	Score	655
Exons	631..715, 804..881, 961..1070, 1417..1653, 1815..1969, 2127..2154		
GI Descrip.	(AC002535) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	41002	Seq. ID	OJ991216_04.0316.C13
Gene No.	84949	Strand	-
Start	1	End	718
Name	OJ991216_04.0316.C13.o1.np	Method	AAT/NAP
Start	1	End	688
GI	6598380	Score	212
Exons	1..39, 338..688		
GI Descrip.	(AC002535) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	41002	Seq. ID	OJ991216_04.0316.C13
Gene No.	84949	Strand	-
Start	1	End	718
Name	OJ991216_04.0316.C13.o1.gs	Method	GENSCAN
Start	363	End	718
GI	none	Score	.71
Exons	363..718		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84950	Strand	+
Start	1	End	1000
Name	OJ991216_04.0316.C15.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	7487572	Score	121
Exons	1..21, 801..1000		
GI Descrip.	hypothetical protein T30B22.29 - Arabidopsis thaliana (fragment)		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84950	Strand	+
Start	1	End	1000
Name	OJ991216_04.0316.C15.o1.gs	Method	GENSCAN
Start	805	End	1000
GI	none	Score	.66
Exons	805..1000		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-
Start	1775	End	2191
Name	OJ991216_04.0316.C15.o2.tm	Method	TBLASTX:Maize
Start	803	End	1001
GI	none	Score	69
Exons	803..856, 803..835, 842..1000, 846..1001, 865..999		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-
Start	1775	End	2191
Name	OJ991216_04.0316.C15.o2.gs	Method	GENSCAN
Start	1775	End	2145
GI	none	Score	.91
Exons	1775..2145		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-

Start	1775	End	2191
Name	OJ991216_04.0316.C15.o2.np	Method	AAT/NAP
Start	1833	End	2191
GI	6539240	Score	299
Exons	1833..2191		
GI Descrip.	(AC011765) putative alpha galactosyltransferase [Arabidopsis thaliana]		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-
Start	1775	End	2191
Name	OJ991216_04.0316.C15.o1.tc	Method	TBLASTX:Cress
Start	1855	End	2190
GI	none	Score	63
Exons	1855..2034, 1955..2035, 2038..2109, 2039..2092, 2119..2190		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-
Start	1775	End	2191
Name	OJ991216_04.0316.C15.o1.ts	Method	TBLASTX:Soybean
Start	1876	End	2190
GI	none	Score	66
Exons	1876..2034, 1910..2035, 2038..2109, 2057..2092, 2119..2190		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-
Start	1775	End	2191
Name	OJ991216_04.0316.C15.o1.tm	Method	TBLASTX:Maize
Start	1888	End	2191
GI	none	Score	93
Exons	1888..2034, 1940..2035, 1955..2074, 2038..2124, 2048..2092, 2119..2190, 2122..2190, 2129..2191		

Seq. No.	41003	Seq. ID	OJ991216_04.0316.C15
Gene No.	84951	Strand	-
Start	1775	End	2191
Name	OJ991216_04.0316.C15.o1.tw	Method	TBLASTX:Wheat
Start	1981	End	2190
GI	none	Score	61
Exons	1981..2034, 1982..2035, 2038..2124, 2048..2092, 2119..2190, 2122..2190		

Seq. No.	41004	Seq. ID	OJ991216_04.0316.C16
Gene No.	84952	Strand	-
Start	1	End	1742
Name	OJ991216_04.0316.C16.o1.np	Method	AAT/NAP
Start	1	End	1742
GI	7362752	Score	438
Exons	1..413, 1703..1742		
GI Descrip.	(AL162651) alpha galactosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	41004	Seq. ID	OJ991216_04.0316.C16
Gene No.	84952	Strand	-
Start	1	End	1742
Name	OJ991216_04.0316.C16.o1.tc	Method	TBLASTX:Cress
Start	5	End	252

GI	none	Score	93
Exons	5..133, 6..134, 136..252		
Seq. No.	41004	Seq. ID	OJ991216_04.0316.C16
Gene No.	84952	Strand	-
Start	1	End	1742
Name	OJ991216_04.0316.C16.o1.tm	Method	TBLASTX:Maize
Start	5	End	396
GI	none	Score	82
Exons	5..70, 5..133, 9..134, 136..294, 137..292, 316..396		
Seq. No.	41004	Seq. ID	OJ991216_04.0316.C16
Gene No.	84952	Strand	-
Start	1	End	1742
Name	OJ991216_04.0316.C16.o1.ts	Method	TBLASTX:Soybean
Start	5	End	390
GI	none	Score	75
Exons	5..40, 47..133, 48..134, 136..297, 140..298, 238..390		
Seq. No.	41004	Seq. ID	OJ991216_04.0316.C16
Gene No.	84952	Strand	-
Start	1	End	1742
Name	OJ991216_04.0316.C16.o1.gs	Method	GENSCAN
Start	97	End	711
GI	none	Score	.58
Exons	97..711		
Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84953	Strand	+
Start	1	End	1343
Name	OJ991216_04.0316.C19.o1.np	Method	AAT/NAP
Start	1	End	1328
GI	7362752	Score	1130
Exons	1..166, 240..1328		
GI Descrip.	(AL162651) alpha galactosyltransferase-like protein [Arabidopsis thaliana]		
Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84953	Strand	+
Start	1	End	1343
Name	OJ991216_04.0316.C19.o1.gs	Method	GENSCAN
Start	112	End	1343
GI	none	Score	.71
Exons	112..1343		
Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84953	Strand	+
Start	1	End	1343
Name	OJ991216_04.0316.C19.o1.gp	Method	AAT/GAP
Start	506	End	1013
GI	uC-osrocyp002f05b1	Score	923
Exons	506..1013		
GI Descrip.	'3193287 6.0e-48 (AF069298) Arabidopsis predicted protein of unknown function T10P11.19 (GB:AC002330) [Arabidopsis thaliana]'		
Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-

Start	2060	End	4630
Name	OJ991216_04.0316.C19.o3.ts	Method	TBLASTX:Soybean
Start	285	End	512
GI	none	Score	73
Exons	285..371, 375..512		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o1.tc	Method	TBLASTX:Cress
Start	420	End	902
GI	none	Score	573
Exons	420..902, 629..694, 725..895		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o1.tm	Method	TBLASTX:Maize
Start	461	End	1256
GI	none	Score	253
Exons	461..547, 462..674, 653..694, 654..1013, 737..1012, 1028..1093, 1029..1094, 1095..1256, 1145..1210		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o1.ts	Method	TBLASTX:Soybean
Start	519	End	1097
GI	none	Score	461
Exons	519..1037, 629..889, 1035..1097		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o1.tw	Method	TBLASTX:Wheat
Start	791	End	1163
GI	none	Score	253
Exons	791..1012, 792..1013, 1028..1093, 1029..1094, 1095..1163		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o2.tc	Method	TBLASTX:Cress
Start	903	End	1289
GI	none	Score	124
Exons	903..1013, 908..1012, 1029..1094, 1031..1093, 1095..1289, 1134..1268		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o2.gs	Method	GENSCAN
Start	2060	End	4630
GI	none	Score	.79
Exons	2060..2185, 2527..2680, 2978..3282, 3932..4144, 4368..4552, 4564..4630		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o3.tm	Method	TBLASTX:Maize
Start	2062	End	2178
GI	none	Score	136
Exons	2062..2088, 2063..2176, 2079..2177, 2128..2178		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o2.np	Method	AAT/NAP
Start	2063	End	4481
GI	7388057	Score	573
Exons	2063..2185, 2527..2680, 2978..3282, 3497..3634, 3732..3849, 3942..4138, 4395..4481		
GI Descrip.	PEPTIDE CHAIN RELEASE FACTOR 2 (RF-2) gi|7443586|pir||D72238 peptide chain release factor RF-2 - Thermotoga maritima (strain MSB8) gi|4982148|gb|AAD36646.1|AE001802_15 (AE001802) peptide chain release factor RF-2 [Thermotoga maritima]		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o2.tm	Method	TBLASTX:Maize
Start	2529	End	3178
GI	none	Score	139
Exons	2529..2693, 2530..2637, 2530..2694, 2534..2689, 2977..3177, 2978..3178		

Seq. No.	41005	Seq. ID	OJ991216_04.0316.C19
Gene No.	84954	Strand	-
Start	2060	End	4630
Name	OJ991216_04.0316.C19.o2.ts	Method	TBLASTX:Soybean
Start	3494	End	3859
GI	none	Score	149
Exons	3494..3682, 3497..3685, 3537..3698, 3723..3809, 3731..3859, 3732..3833		

Seq. No.	41006	Seq. ID	OJ991216_04.0316.C20
Gene No.	84955	Strand	+
Start	297	End	425
Name	OJ991216_04.0316.C20.o1.gs	Method	GENSCAN
Start	297	End	425
GI	none	Score	.4
Exons	297..425		

Seq. No.	41006	Seq. ID	OJ991216_04.0316.C20
Gene No.	84956	Strand	-
Start	542	End	1812
Name	OJ991216_04.0316.C20.o2.gs	Method	GENSCAN
Start	542	End	1812
GI	none	Score	.72
Exons	542..602, 687..893, 1491..1546, 1675..1812		

Seq. No.	41006	Seq. ID	OJ991216_04.0316.C20
Gene No.	84956	Strand	-

Start	542	End	1812
Name	OJ991216_04.0316.C20.o1.np	Method	AAT/NAP
Start	686	End	1798
GI	7485023	Score	320
Exons	686..893, 996..1029, 1153..1181, 1306..1377, 1668..1798		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244974|emb|CAB10395.1| (Z97340) pore protein homolog [Arabidopsis thaliana] gi|7268365|emb|CAB78658.1| (AL161543) pore protein homolog [Arabidopsis thaliana]		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84957	Strand	+
Start	289	End	724
Name	OJ991216_04.0316.C21.o1.gp	Method	AAT/GAP
Start	289	End	724
GI	none	Score	763
Exons	289..724		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o1.gs	Method	GENSCAN
Start	328	End	2943
GI	none	Score	.84
Exons	328..438, 532..732, 993..1157, 1232..1523, 1893..2041, 2827..2943		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o1.tm	Method	TBLASTX:Maize
Start	403	End	2953
GI	none	Score	47
Exons	403..441, 404..448, 480..734, 481..735, 482..733, 495..749, 994..1158, 1005..1160, 1230..1445, 1231..1521, 1232..1525, 1236..1529, 1893..2090, 1895..2062, 2821..2943, 2824..2952, 2828..2953, 2828..2953		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o2.ts	Method	TBLASTX:Soybean
Start	403	End	1089
GI	none	Score	47
Exons	403..441, 404..448, 481..735, 482..733, 495..749, 983..1087, 994..1089, 1005..1088		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o1.np	Method	AAT/NAP
Start	481	End	3522
GI	2252472	Score	1102
Exons	481..732, 993..1157, 1232..1523, 1893..2041, 2827..2948, 3493..3522		
GI Descrip.	(Z97558) argininosuccinate lyase [Arabidopsis thaliana]		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o1.tc	Method	TBLASTX:Cress
Start	484	End	2946
GI	none	Score	137
Exons	484..735, 485..733, 487..753, 539..760, 988..1158, 993..1160, 1005..1160, 1232..1525, 1236..1529, 1312..1527, 1893..2075, 1893..2033, 1895..2062, 2824..2946, 2825..2935		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o1.ts	Method	TBLASTX:Soybean
Start	1090	End	2062
GI	none	Score	80
Exons	1090..1170, 1092..1160, 1100..1168, 1230..1529, 1230..1448, 1232..1525, 1309..1536, 1893..2039, 1895..2062, 1897..2049		

Seq. No.	41007	Seq. ID	OJ991216_04.0316.C21
Gene No.	84958	Strand	-
Start	328	End	3522
Name	OJ991216_04.0316.C21.o2.gp	Method	AAT/GAP
Start	2877	End	3470
GI	50137_1.R1084	Score	124
Exons	2877..2947, 3434..3470		
GI Descrip.	'2252472/emb|CAB10698| 1.0e-61 (Z97558) argininosuccinate lyase [Arabidopsis thaliana]'		

Seq. No.	41008	Seq. ID	OJ991216_04.0316.C22
Gene No.	84959	Strand	-
Start	1	End	2226
Name	OJ991216_04.0316.C22.o1.np	Method	AAT/NAP
Start	1	End	726
GI	2252472	Score	153
Exons	1..32, 420..726		
GI Descrip.	(Z97558) argininosuccinate lyase [Arabidopsis thaliana]		

Seq. No.	41008	Seq. ID	OJ991216_04.0316.C22
Gene No.	84959	Strand	-
Start	1	End	2226
Name	OJ991216_04.0316.C22.o1.gs	Method	GENSCAN
Start	300	End	2226
GI	none	Score	.72
Exons	300..776, 1633..1998, 2065..2226		

Seq. No.	41008	Seq. ID	OJ991216_04.0316.C22
Gene No.	84959	Strand	-
Start	1	End	2226
Name	OJ991216_04.0316.C22.o1.tc	Method	TBLASTX:Cress
Start	414	End	567
GI	none	Score	126
Exons	414..566, 427..567		

Seq. No.	41008	Seq. ID	OJ991216_04.0316.C22
Gene No.	84959	Strand	-
Start	1	End	2226

Name	OJ991216_04.0316.C22.o1.tm	Method	TBLASTX:Maize
Start	414	End	665
GI	none	Score	153
Exons	414..545, 414..665, 427..657		

Seq. No.	41008	Seq. ID	OJ991216_04.0316.C22
Gene No.	84959	Strand	-
Start	1	End	2226
Name	OJ991216_04.0316.C22.o1.ts	Method	TBLASTX:Soybean
Start	414	End	566
GI	none	Score	113
Exons	414..539, 414..566, 427..564		

Seq. No.	41008	Seq. ID	OJ991216_04.0316.C22
Gene No.	84959	Strand	-
Start	1	End	2226
Name	OJ991216_04.0316.C22.o1.gp	Method	AAT/GAP
Start	419	End	631
GI	50137_1.R1084	Score	404
Exons	419..631		
GI Descrip.	'2252472/emb|CAB10698| 1.0e-61 (Z97558) argininosuccinate lyase [Arabidopsis thaliana]'		

Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84960	Strand	+
Start	1	End	843
Name	OJ991216_04.0316.C23.o1.np	Method	AAT/NAP
Start	1	End	690
GI	3738285	Score	152
Exons	1..231, 353..459, 606..690		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84960	Strand	+
Start	1	End	843
Name	OJ991216_04.0316.C23.o1.gs	Method	GENSCAN
Start	93	End	678
GI	none	Score	.86
Exons	93..219, 308..459, 606..678		

Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84960	Strand	+
Start	1	End	843
Name	OJ991216_04.0316.C23.o1.gp	Method	AAT/GAP
Start	113	End	843
GI	23603_1.R1084	Score	956
Exons	113..219, 308..459, 606..843		
GI Descrip.	'3738285 9.0e-20 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84961	Strand	+
Start	8393	End	9022
Name	OJ991216_04.0316.C23.o2.np	Method	AAT/NAP
Start	8393	End	9022
GI	7486837	Score	208
Exons	8393..9022		

GI Descrip.	hypothetical protein T10M13.10 - Arabidopsis thaliana gi|2104533|gb|AAC78701.1| (AF001308) hypothetical protein [Arabidopsis thaliana] gi|2104551|gb|AAB57800.1| (AF001535) AGAA.5 [Arabidopsis thaliana] gi|7268593|emb|CAB80702.1| (AL161493) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84961	Strand	+
Start	8393	End	9022
Name	OJ991216_04.0316.C23.o4.gs	Method	GENSCAN
Start	8393	End	9022
GI	none	Score	.89
Exons	8393..9022		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84962	Strand	+
Start	13134	End	13435
Name	OJ991216_04.0316.C23.o2.gp	Method	AAT/GAP
Start	13038	End	13372
GI	52983_1.R1084	Score	636
Exons	13038..13372		
GI Descrip.	'6063549/dbj|BAA85409.1| 1.0e-29 (AP000615) EST AU070346(S12172) corresponds to a region of the predicted gene.; similar to AMP-binding protein. (X94625) [Oryza sativa]'		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84962	Strand	+
Start	13134	End	13435
Name	OJ991216_04.0316.C23.o6.gs	Method	GENSCAN
Start	13134	End	13283
GI	none	Score	.57
Exons	13134..13283		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84962	Strand	+
Start	13134	End	13435
Name	OJ991216_04.0316.C23.o3.np	Method	AAT/NAP
Start	13173	End	13435
GI	6063549	Score	144
Exons	13173..13435		
GI Descrip.	(AP000615) EST AU070346(S12172) corresponds to a region of the predicted gene.; similar to AMP-binding protein. (X94625) [Oryza sativa]		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84963	Strand	-
Start	2723	End	4501
Name	OJ991216_04.0316.C23.o2.gs	Method	GENSCAN
Start	2723	End	4501
GI	none	Score	.63
Exons	2723..2812, 4203..4282, 4435..4501		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84964	Strand	
Start	13154	End	13373
Name	OJ991216_04.0316.C23.o1.tm	Method	TBLASTX:Maize
Start	13154	End	13373

GI	none	Score	330
Exons	13154..13372, 13158..13373		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84964	Strand	
Start	13154	End	13373
Name	OJ991216_04.0316.C23.o1.ts	Method	TBLASTX:Soybean
Start	13157	End	13373
GI	none	Score	271
Exons	13157..13261, 13158..13373, 13167..13283		
Seq. No.	41009	Seq. ID	OJ991216_04.0316.C23
Gene No.	84964	Strand	
Start	13154	End	13373
Name	OJ991216_04.0316.C23.o1.tc	Method	TBLASTX:Cress
Start	13167	End	13328
GI	none	Score	189
Exons	13167..13328, 13169..13279, 13170..13283		
Seq. No.	41010	Seq. ID	OJ991216_04.0316.C24
Gene No.	84965	Strand	+
Start	1	End	860
Name	OJ991216_04.0316.C24.o1.np	Method	AAT/NAP
Start	1	End	860
GI	6063549	Score	96
Exons	1..40, 737..860		
GI Descrip.	(AP000615) EST AU070346(S12172) corresponds to a region of the predicted gene.; similar to AMP-binding protein. (X94625) [Oryza sativa]		
Seq. No.	41010	Seq. ID	OJ991216_04.0316.C24
Gene No.	84965	Strand	+
Start	1	End	860
Name	OJ991216_04.0316.C24.o1.tm	Method	TBLASTX:Maize
Start	733	End	859
GI	none	Score	110
Exons	733..858, 736..858, 737..859		
Seq. No.	41010	Seq. ID	OJ991216_04.0316.C24
Gene No.	84965	Strand	+
Start	1	End	860
Name	OJ991216_04.0316.C24.o1.ts	Method	TBLASTX:Soybean
Start	733	End	859
GI	none	Score	183
Exons	733..858, 737..859		
Seq. No.	41010	Seq. ID	OJ991216_04.0316.C24
Gene No.	84965	Strand	+
Start	1	End	860
Name	OJ991216_04.0316.C24.o1.gp	Method	AAT/GAP
Start	736	End	860
GI	52983_1.R1084	Score	226
Exons	736..860		
GI Descrip.	'6063549/dbj|BAA85409.1| 1.0e-29 (AP000615) EST AU070346(S12172) corresponds to a region of the predicted gene.; similar to AMP-binding protein. (X94625) [Oryza sativa]'		

Seq. No.	41011	Seq. ID	OJ991216_04.0316.C26
Gene No.	84966	Strand	-
Start	1657	End	1915
Name	OJ991216_04.0316.C26.o1.gs	Method	GENSCAN
Start	1657	End	1915
GI	none	Score	.74
Exons	1657..1781, 1834..1915		

Seq. No.	41012	Seq. ID	OJ991216_04.0316.C27
Gene No.	84967	Strand	+
Start	61	End	239
Name	OJ991216_04.0316.C27.o1.gs	Method	GENSCAN
Start	61	End	239
GI	none	Score	.4
Exons	61..239		

Seq. No.	41012	Seq. ID	OJ991216_04.0316.C27
Gene No.	84968	Strand	-
Start	470	End	1707
Name	OJ991216_04.0316.C27.o2.gs	Method	GENSCAN
Start	470	End	1707
GI	none	Score	.74
Exons	470..525, 1674..1707		

Seq. No.	41013	Seq. ID	OJ991216_04.0316.C28
Gene No.	84969	Strand	-
Start	1170	End	10089
Name	OJ991216_04.0316.C28.o1.gs	Method	GENSCAN
Start	1170	End	9170
GI	none	Score	.52
Exons	1170..1433, 2069..2212, 2766..2905, 3245..3423, 3468..3583, 3652..3745, 3760..3962, 4373..4554, 5244..5275, 5380..5498, 5560..5735, 5788..6069, 6357..6546, 7024..7083, 8945..8995, 9109..9170		

Seq. No.	41013	Seq. ID	OJ991216_04.0316.C28
Gene No.	84969	Strand	-
Start	1170	End	10089
Name	OJ991216_04.0316.C28.o1.np	Method	AAT/NAP
Start	8364	End	9810
GI	5042462	Score	57
Exons	8364..8552, 9386..9457, 9745..9810		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	41013	Seq. ID	OJ991216_04.0316.C28
Gene No.	84969	Strand	-
Start	1170	End	10089
Name	OJ991216_04.0316.C28.o1.gp	Method	AAT/GAP
Start	8861	End	10089
GI	67280_1.R1084	Score	562
Exons	8861..8994, 9109..9170, 9268..9327, 9410..9457, 9745..9803, 10042..10089		
GI Descrip.	'4164473 3.0e-13 (AF061157) negatively light-regulated protein [Vernicia fordii]'		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29

Gene No.	84970	Strand	+
Start	1069	End	8598
Name	OJ991216_04.0316.C29.o1.gs	Method	GENSCAN
Start	1069	End	8598
GI	none	Score	.7
Exons	1069..1128, 4676..4810, 6851..7017, 7113..7273, 7394..7431, 8464..8598		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84971	Strand	+
Start	9223	End	9933
Name	OJ991216_04.0316.C29.o2.gs	Method	GENSCAN
Start	9223	End	9933
GI	none	Score	.99
Exons	9223..9933		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84972	Strand	+
Start	17795	End	18422
Name	OJ991216_04.0316.C29.o4.gs	Method	GENSCAN
Start	17795	End	18422
GI	none	Score	.76
Exons	17795..17899, 18044..18102, 18224..18422		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84973	Strand	-
Start	934	End	1219
Name	OJ991216_04.0316.C29.o1.gp	Method	AAT/GAP
Start	934	End	1219
GI	67280_1.R1084	Score	160
Exons	934..1008, 1195..1219		
GI Descrip.	'4164473 3.0e-13 (AF061157) negatively light-regulated protein [Vernicia fordii]'		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o1.np	Method	AAT/NAP
Start	10369	End	14692
GI	6063549	Score	1293
Exons	10369..10473, 10735..11610, 12451..13041, 14495..14692		
GI Descrip.	(AP000615) EST AU070346(S12172) corresponds to a region of the predicted gene.; similar to AMP-binding protein. (X94625) [Oryza sativa]		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o1.ts	Method	TBLASTX:Soybean
Start	10708	End	14707
GI	none	Score	441
Exons	10708..11613, 10709..11251, 11026..11283, 11351..11611, 12447..12812, 12448..12846, 12449..12880, 12799..13041, 12848..13042, 14492..14707		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-

Start	10714	End	14710
Name	OJ991216_04.0316.C29.o2.tm	Method	TBLASTX:Maize
Start	10712	End	11286
GI	none	Score	231
Exons	10712..10870, 10714..10905, 10786..10905, 10903..11127, 10906..10962, 10919..11128, 11023..11130, 11135..11254, 11137..11274, 11137..11286		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o3.gs	Method	GENSCAN
Start	10714	End	14710
GI	none	Score	.89
Exons	10714..11610, 12451..13041, 14495..14710		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o1.tc	Method	TBLASTX:Cress
Start	10726	End	12669
GI	none	Score	65
Exons	10726..10872, 10745..10858, 10876..10983, 10957..11496, 11012..11254, 11506..11610, 12448..12669, 12458..12655		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o1.tw	Method	TBLASTX:Wheat
Start	11224	End	11526
GI	none	Score	170
Exons	11224..11268, 11248..11526, 11351..11485, 11473..11523		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o1.tm	Method	TBLASTX:Maize
Start	11353	End	14707
GI	none	Score	207
Exons	11353..11613, 11354..11611, 11473..11613, 12448..12819, 12449..12814, 12796..13041, 12812..13042, 12819..13043, 14492..14707, 14493..14516, 14580..14684, 14603..14707		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o2.tw	Method	TBLASTX:Wheat
Start	12493	End	12655
GI	none	Score	48
Exons	12493..12654, 12509..12541, 12617..12655		

Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o2.tc	Method	TBLASTX:Cress
Start	12670	End	12883
GI	none	Score	104

Exons	12670..12864, 12670..12882, 12674..12883		
Seq. No.	41014	Seq. ID	OJ991216_04.0316.C29
Gene No.	84974	Strand	-
Start	10714	End	14710
Name	OJ991216_04.0316.C29.o3.tc	Method	TBLASTX:Cress
Start	14537	End	14698
GI	none	Score	184
Exons	14537..14698		
Seq. No.	41015	Seq. ID	OJ991216_04.0316.C30
Gene No.	84975	Strand	-
Start	1	End	90
Name	OJ991216_04.0316.C30.o1.gp	Method	AAT/GAP
Start	1	End	90
GI	none	Score	154
Exons	1..90		
Seq. No.	41015	Seq. ID	OJ991216_04.0316.C30
Gene No.	84976	Strand	-
Start	76	End	945
Name	OJ991216_04.0316.C30.o1.gs	Method	GENSCAN
Start	76	End	945
GI	none	Score	.66
Exons	76..281, 327..414, 701..945		
Seq. No.	41016	Seq. ID	OJ991116_05.0330.C1
Gene No.	84977	Strand	-
Start	246	End	503
Name	OJ991116_05.0330.C1.o1.gs	Method	GENSCAN
Start	246	End	503
GI	none	Score	.46
Exons	246..503		
Seq. No.	41017	Seq. ID	OJ991116_05.0330.C3
Gene No.	84978	Strand	-
Start	389	End	1763
Name	OJ991116_05.0330.C3.o1.gs	Method	GENSCAN
Start	389	End	1763
GI	none	Score	.71
Exons	389..809, 826..941, 1032..1140, 1474..1523, 1701..1763		
Seq. No.	41018	Seq. ID	OJ991116_05.0330.C4
Gene No.	84979	Strand	+
Start	161	End	2384
Name	OJ991116_05.0330.C4.o1.gs	Method	GENSCAN
Start	161	End	2384
GI	none	Score	.65
Exons	161..203, 944..1228, 1257..1375, 1472..1711, 1755..2384		
Seq. No.	41018	Seq. ID	OJ991116_05.0330.C4
Gene No.	84980	Strand	-
Start	1	End	2232
Name	OJ991116_05.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	2232
GI	4680191	Score	65
Exons	1..105, 243..498, 796..1060, 2028..2232		

GI Descrip. (AF111710) putative myb-related protein [Oryza sativa subsp. indica]

Seq. No.	41018	Seq. ID	OJ991116_05.0330.C4
Gene No.	84981	Strand	-
Start	4978	End	7174
Name	OJ991116_05.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	4796	End	5170
GI	none	Score	40
Exons	4796..4861, 4899..5060, 4926..5063, 5054..5170, 5056..5169		

Seq. No.	41018	Seq. ID	OJ991116_05.0330.C4
Gene No.	84981	Strand	-
Start	4978	End	7174
Name	OJ991116_05.0330.C4.o3.np	Method	AAT/NAP
Start	4978	End	7174
GI	5001454	Score	49
Exons	4978..5238, 7131..7174		

GI Descrip. (AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84982	Strand	+
Start	4253	End	8356
Name	OJ991116_05.0330.C5.o2.gs	Method	GENSCAN
Start	4253	End	8356
GI	none	Score	.62
Exons	4253..4349, 5686..5732, 7378..7497, 7634..7834, 8264..8356		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84983	Strand	+
Start	11751	End	11912
Name	OJ991116_05.0330.C5.o1.gp	Method	AAT/GAP
Start	11751	End	11912
GI	none	Score	272
Exons	11751..11912		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84984	Strand	+
Start	22031	End	38592
Name	OJ991116_05.0330.C5.o5.gs	Method	GENSCAN
Start	22031	End	38592
GI	none	Score	.63
Exons	22031..22179, 22455..22512, 22925..23036, 23055..23140, 24461..24551, 25067..25113, 25380..25434, 25594..25711, 25797..25953, 26084..26164, 26264..26371, 26817..26934, 27686..27787, 28994..29052, 30286..30474, 30549..30591, 31335..31686, 31786..31996, 32430..32505, 32623..32725, 33139..33207, 33368..33404, 33495..33569, 33648..33699, 38308..38351, 38521..38592		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84984	Strand	+
Start	22031	End	38592
Name	OJ991116_05.0330.C5.o3.np	Method	AAT/NAP
Start	25344	End	27181
GI	6683811	Score	638

Exons	25344..25434, 25594..25711, 25797..25953, 26084..26164, 26264..26371, 27105..27181		
GI Descrip.	(AF187062) UMP/CMP kinase a [Oryza sativa]		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84984	Strand	+
Start	22031	End	38592
Name	OJ991116_05.0330.C5.o5.gp	Method	AAT/GAP
Start	28635	End	28732
GI	uC-osflcyp022c06b2	Score	151
Exons	28635..28732		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84984	Strand	+
Start	22031	End	38592
Name	OJ991116_05.0330.C5.o6.gp	Method	AAT/GAP
Start	30311	End	32719
GI	none	Score	2397
Exons	30311..30591, 31077..31686, 31786..31996, 32430..32505, 32623..32719		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84984	Strand	+
Start	22031	End	38592
Name	OJ991116_05.0330.C5.o7.gp	Method	AAT/GAP
Start	33366	End	34273
GI	none	Score	774
Exons	33366..33404, 33495..33569, 33648..33699, 33802..33846, 34044..34273		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84985	Strand	+
Start	40763	End	44266
Name	OJ991116_05.0330.C5.o6.gs	Method	GENSCAN
Start	40763	End	44266
GI	none	Score	.89
Exons	40763..41016, 42649..42938, 43937..44013, 44099..44266		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84986	Strand	+
Start	56483	End	58961
Name	OJ991116_05.0330.C5.o8.gs	Method	GENSCAN
Start	56483	End	58961
GI	none	Score	.43
Exons	56483..56687, 56696..56856, 58860..58961		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84987	Strand	+
Start	60985	End	61459
Name	OJ991116_05.0330.C5.o9.gs	Method	GENSCAN
Start	60985	End	61459
GI	none	Score	.78
Exons	60985..60995, 61303..61459		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5

Gene No.	84988	Strand	+
Start	70417	End	70615
Name	OJ991116_05.0330.C5.o11.gp	Method	AAT/GAP
Start	70417	End	70615
GI	none	Score	210
Exons	70417..70526, 70564..70615		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84989	Strand	-
Start	1	End	3378
Name	OJ991116_05.0330.C5.o1.np	Method	AAT/NAP
Start	1	End	3017
GI	4006829	Score	1020
Exons	1..494, 1293..1429, 1528..1663, 1767..2053, 2891..3017		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84989	Strand	-
Start	1	End	3378
Name	OJ991116_05.0330.C5.o1.gs	Method	GENSCAN
Start	30	End	3378
GI	none	Score	.76
Exons	30..545, 1293..1429, 1528..1663, 1767..2252, 2900..2946, 3294..3378		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84990	Strand	-
Start	10761	End	15195
Name	OJ991116_05.0330.C5.o3.gs	Method	GENSCAN
Start	10761	End	15195
GI	none	Score	.75
Exons	10761..10922, 11008..11191, 11961..12202, 12228..12319, 12340..12669, 14117..14354, 14737..15195		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84990	Strand	-
Start	10761	End	15195
Name	OJ991116_05.0330.C5.o2.gp	Method	AAT/GAP
Start	12446	End	13966
GI	569991	Score	624
Exons	12446..12669, 13859..13966		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84990	Strand	-
Start	10761	End	15195
Name	OJ991116_05.0330.C5.o3.gp	Method	AAT/GAP
Start	14164	End	14771
GI	none	Score	372
Exons	14164..14354, 14737..14771		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84991	Strand	-
Start	16358	End	20899
Name	OJ991116_05.0330.C5.o4.gp	Method	AAT/GAP
Start	16282	End	16338
GI	uC-osf1M202097d10b1	Score	70
Exons	16282..16338		

GI Descrip. '4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84991	Strand	-
Start	16358	End	20899
Name	OJ991116_05.0330.C5.o4.gs	Method	GENSCAN
Start	16358	End	20899
GI	none	Score	.68
Exons	16358..16709, 16799..17020, 17039..17211, 17312..17487, 19793..19899, 20340..20899		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84992	Strand	-
Start	45194	End	54339
Name	OJ991116_05.0330.C5.o7.gs	Method	GENSCAN
Start	45194	End	54339
GI	none	Score	.65
Exons	45194..45481, 47495..47839, 48336..48709, 48894..49241, 49418..49546, 49634..49707, 49794..49865, 49950..50018, 50108..50179, 50257..50328, 50561..50632, 50784..50855, 50936..51007, 51252..51323, 51476..51547, 51648..51719, 52477..52548, 52628..52699, 52968..53039, 53064..53210, 53298..53427, 54261..54339		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84992	Strand	-
Start	45194	End	54339
Name	OJ991116_05.0330.C5.o9.gp	Method	AAT/GAP
Start	46996	End	47415
GI	4714180	Score	584
Exons	46996..47102, 47188..47415		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84992	Strand	-
Start	45194	End	54339
Name	OJ991116_05.0330.C5.o4.np	Method	AAT/NAP
Start	47474	End	53506
GI	1345132	Score	2916
Exons	47474..47839, 48336..48706, 48894..49241, 49418..49546, 49634..49707, 49794..49865, 49950..50018, 50108..50179, 50257..50328, 50409..50480, 50561..50632, 50784..50855, 50936..51007, 51099..51170, 51252..51323, 51476..51547, 51648..51719, 51813..51881, 51967..52038, 52121..52192, 52477..52548, 52628..52699, 52811..52882, 52968..53039, 53139..53210, 53298..53506		

GI Descrip. (U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869| (D83257) receptor protein kinase [Arabidopsis thaliana] gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like protein kinase, ERECTA [Arabidopsis thaliana]

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o2.ts	Method	TBLASTX:Soybean
Start	15	End	1997
GI	none	Score	70

Exons	15..62, 60..272, 436..495, 438..494, 1527..1661, 1529..1660, 1550..1663, 1768..1821, 1770..1835, 1839..1997, 1840..1965		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o10.tm	Method	TBLASTX:Maize
Start	57	End	299
GI	none	Score	120
Exons	57..299, 60..272		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o3.tc	Method	TBLASTX:Cress
Start	75	End	1979
GI	none	Score	69
Exons	75..272, 438..494, 1529..1660, 1530..1661, 1768..1821, 1770..1820, 1854..1979, 1855..1968		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	102	End	48563
GI	none	Score	104
Exons	102..506, 195..380, 334..495, 48360..48503, 48376..48483, 48522..48563		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	306	End	50435
GI	none	Score	55
Exons	306..350, 306..434, 334..417, 456..497, 1293..1355, 1332..1415, 47613..47840, 47626..47838, 47627..47839, 47664..47840, 48333..48707, 48337..48621, 48338..48748, 48892..48981, 48893..48973, 48967..49242, 48968..49243, 48972..49244, 48972..49247, 49414..49557, 49418..49540, 49423..49548, 49633..49707, 49634..49708, 49635..49709, 49645..49710, 49791..49865, 49794..49877, 49796..49870, 49938..50018, 49949..50032, 50099..50182, 50107..50178, 50256..50327, 50257..50310, 50409..50435		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	306	End	49256
GI	none	Score	250
Exons	306..434, 1296..1355, 1332..1415, 48355..48621, 48357..48716, 48676..48714, 48892..49230, 48892..49254, 48893..49255, 48894..49256		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-

Start	62795	End	70934
Name	OJ991116_05.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	309	End	53476
GI	none	Score	64
Exons	309..434, 1293..1355, 1332..1418, 47471..47542, 47472..47528, 47579..47608, 47621..47839, 47642..47833, 47685..47843, 47691..47840, 48331..48606, 48333..48716, 48343..48621, 48673..48714, 48874..49227, 48893..49228, 48894..49256, 48895..49242, 49404..49523, 49420..49542, 49420..49548, 49650..49709, 49794..49877, 49796..49870, 49949..50032, 50107..50178, 50256..50327, 50432..50479, 50560..50601, 50763..50849, 50786..50854, 50814..50843, 50933..51007, 50935..51018, 50935..51021, 51096..51146, 51098..51178, 51251..51322, 51267..51323, 51473..51547, 51475..51546, 51647..51718, 51651..51731, 51663..51725, 51812..51880, 51813..51857, 51819..51881, 51824..51880, 51932..51970, 51960..52076, 51966..52049, 51966..52037, 51967..52047, 52087..52191, 52088..52174, 52105..52185, 52476..52547, 52476..52547, 52477..52548, 52480..52548, 52606..52698, 52613..52699, 52810..52881, 52817..52882, 52825..52881, 52947..53153, 52967..53038, 52967..53038, 53138..53182, 53297..53356, 53366..53476		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	1320	End	49002
GI	none	Score	129
Exons	1320..1430, 1321..1428, 1526..1639, 1528..1623, 1530..1625, 1550..1639, 1640..1663, 1768..1827, 1770..1835, 1825..1905, 1839..1907, 1851..1910, 48603..48686, 48910..49002		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o4.tm	Method	TBLASTX:Maize
Start	1527	End	1923
GI	none	Score	96
Exons	1527..1664, 1529..1663, 1768..1923, 1770..1919		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o8.tm	Method	TBLASTX:Maize
Start	12083	End	17082
GI	none	Score	97
Exons	12083..12232, 12084..12236, 12328..12438, 12478..12531, 16562..16711, 16563..16712, 16827..16928, 16838..16975, 16843..16971, 17036..17074, 17038..17082, 17041..17082		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o5.tc	Method	TBLASTX:Cress
Start	13934	End	20030
GI	none	Score	121

Exons	13934..14032, 14118..14360, 14122..14352, 19794..19982, 19983..20030		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o7.ts	Method	TBLASTX:Soybean
Start	14298	End	20754
GI	none	Score	115
Exons	14298..14366, 14797..14856, 14839..15009, 14980..15081, 15091..15204, 20284..20343, 20353..20412, 20554..20754, 20561..20728		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o7.tm	Method	TBLASTX:Maize
Start	14782	End	20748
GI	none	Score	57
Exons	14782..14850, 14842..14928, 14845..14925, 14932..14979, 14983..15087, 14984..15064, 15082..15180, 15088..15111, 15104..15184, 20338..20406, 20488..20748, 20558..20725		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o3.tm	Method	TBLASTX:Maize
Start	25371	End	27187
GI	none	Score	77
Exons	25371..25436, 25379..25435, 25380..25436, 25384..25443, 25388..25465, 25592..25711, 25620..25712, 25794..25916, 25795..25953, 25796..25933, 25797..25958, 25798..25935, 26083..26160, 26086..26166, 26090..26200, 26261..26374, 26263..26370, 27102..27158, 27102..27161, 27104..27187		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o2.tc	Method	TBLASTX:Cress
Start	25592	End	26374
GI	none	Score	66
Exons	25592..25711, 25595..25669, 25620..25712, 25797..25952, 25798..25935, 26083..26163, 26090..26164, 26100..26186, 26103..26165, 26261..26374, 26263..26370		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o6.ts	Method	TBLASTX:Soybean
Start	25592	End	26149
GI	none	Score	114
Exons	25592..25702, 25592..25711, 25620..25712, 25797..25952, 25798..25935, 26089..26145, 26090..26149		
Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934

Name	OJ991116_05.0330.C5.o3.tw	Method	TBLASTX:Wheat
Start	25894	End	26374
GI	none	Score	71
Exons	25894..25935, 25902..25952, 26083..26160, 26090..26200, 26093..26170, 26261..26374, 26263..26370		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o5.tm	Method	TBLASTX:Maize
Start	31165	End	31572
GI	none	Score	92
Exons	31165..31380, 31165..31530, 31175..31531, 31191..31541, 31537..31572, 31538..31561		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o9.tm	Method	TBLASTX:Maize
Start	31949	End	34455
GI	none	Score	74
Exons	31949..32002, 31955..31996, 32429..32506, 32430..32504, 32599..32742, 32613..32708, 32627..32740, 33119..33208, 33136..33207, 33140..33208, 33362..33403, 33362..33403, 33363..33407, 33489..33569, 33494..33571, 33494..33565, 33647..33700, 33648..33698, 33785..33847, 33803..33847, 34042..34128, 34045..34149, 34046..34135, 34163..34210, 34169..34201, 34264..34317, 34288..34323, 34341..34388, 34342..34392, 34420..34455		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o4.ts	Method	TBLASTX:Soybean
Start	47471	End	47840
GI	none	Score	139
Exons	47471..47539, 47648..47839, 47691..47840		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o5.ts	Method	TBLASTX:Soybean
Start	49794	End	52695
GI	none	Score	64
Exons	49794..49862, 49795..49863, 49796..49894, 49949..50032, 49959..50009, 50107..50178, 50116..50184, 50256..50327, 50265..50324, 50429..50485, 50781..50846, 50789..50854, 50935..51018, 50936..51007, 51096..51146, 51098..51178, 51107..51166, 51242..51310, 51251..51322, 51252..51323, 51473..51547, 51475..51546, 51815..51868, 51960..52076, 52606..52695		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	50437	End	51888

GI	none	Score	56
Exons	50437..50481, 50438..50482, 50561..50623, 50564..50632, 50565..50630, 50763..50855, 50763..50855, 50786..50872, 50930..51007, 50938..51018, 51089..51169, 51097..51177, 51098..51178, 51120..51146, 51251..51343, 51251..51322, 51252..51323, 51254..51328, 51261..51317, 51473..51547, 51473..51544, 51475..51546, 51493..51558, 51506..51535, 51618..51701, 51647..51718, 51651..51731, 51662..51721, 51671..51724, 51812..51880, 51813..51857, 51814..51882, 51814..51888		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o10.gs	Method	GENSCAN
Start	62795	End	70913
GI	none	Score	.71
Exons	62795..62917, 62956..63213, 63227..63342, 65663..65867, 67173..67255, 67708..68421, 70143..70179, 70812..70913		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o5.np	Method	AAT/NAP
Start	66584	End	70137
GI	6562313	Score	237
Exons	66584..66658, 67812..68220, 68344..68440, 70111..70137		
GI Descrip.	(AL133421) flavonoid 3'-hydroxylase-like protein [Arabidopsis thaliana] gi|7330287|gb|AAF60189.1| (AF241646) flavonoid 3'hydroxylase [Arabidopsis thaliana]		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o7.np	Method	AAT/NAP
Start	67719	End	70934
GI	5734709	Score	156
Exons	67719..67896, 68132..68176, 70425..70656, 70790..70934		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o6.tm	Method	TBLASTX:Maize
Start	67876	End	68221
GI	none	Score	45
Exons	67876..67908, 67895..68218, 67911..68219, 67940..68221		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o4.tc	Method	TBLASTX:Cress
Start	67904	End	68230
GI	none	Score	102
Exons	67904..68230, 67911..68093		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o3.ts	Method	TBLASTX:Soybean
Start	67910	End	68219
GI	none	Score	163
Exons	67910..68218, 67920..68219		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o4.tw	Method	TBLASTX:Wheat
Start	67942	End	68218
GI	none	Score	108
Exons	67942..68091, 67943..68080, 67943..68218		

Seq. No.	41019	Seq. ID	OJ991116_05.0330.C5
Gene No.	84993	Strand	-
Start	62795	End	70934
Name	OJ991116_05.0330.C5.o6.np	Method	AAT/NAP
Start	68912	End	70398
GI	5852093	Score	103
Exons	68912..69037, 70316..70398		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	41020	Seq. ID	OJ991116_05.0330.C6
Gene No.	84994	Strand	+
Start	783	End	3235
Name	OJ991116_05.0330.C6.o1.gs	Method	GENSCAN
Start	783	End	3235
GI	none	Score	.42
Exons	783..858, 1015..1222, 2292..2395, 2683..2749, 2884..3235		

Seq. No.	41020	Seq. ID	OJ991116_05.0330.C6
Gene No.	84994	Strand	+
Start	783	End	3235
Name	OJ991116_05.0330.C6.o1.np	Method	AAT/NAP
Start	1664	End	1765
GI	5922619	Score	104
Exons	1664..1765		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41020	Seq. ID	OJ991116_05.0330.C6
Gene No.	84995	Strand	+
Start	8031	End	8378
Name	OJ991116_05.0330.C6.o2.gp	Method	AAT/GAP
Start	8031	End	8378
GI	uC-osf1M202074c09a1	Score	450
Exons	8031..8378		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	41020	Seq. ID	OJ991116_05.0330.C6
Gene No.	84996	Strand	-
Start	8491	End	9150

Name	OJ991116_05.0330.C6.o2.np	Method	AAT/NAP
Start	8491	End	9150
GI	3661593	Score	80
Exons	8491..8509, 8595..8678, 9113..9150		
GI Descrip.	(AF091843) aminoalcoholphosphotransferase [Arabidopsis thaliana]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84997	Strand	+
Start	561	End	6872
Name	OJ991116_05.0330.C7.o1.gs	Method	GENSCAN
Start	561	End	6872
GI	none	Score	.54
Exons	561..629, 4391..4554, 6635..6872		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84998	Strand	+
Start	7906	End	21616
Name	OJ991116_05.0330.C7.o2.np	Method	AAT/NAP
Start	7906	End	21616
GI	5295950	Score	449
Exons	7906..8050, 17028..17208, 17260..17350, 17797..17881, 18292..18842, 18931..19091, 19347..19580, 21542..21616		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84998	Strand	+
Start	7906	End	21616
Name	OJ991116_05.0330.C7.o3.gs	Method	GENSCAN
Start	9619	End	15650
GI	none	Score	.61
Exons	9619..10170, 10419..10767, 10855..11115, 11924..12397, 12838..12901, 13402..13510, 13595..13873, 14188..14394, 14482..14631, 15582..15650		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84998	Strand	+
Start	7906	End	21616
Name	OJ991116_05.0330.C7.o4.gs	Method	GENSCAN
Start	17002	End	21518
GI	none	Score	.58
Exons	17002..17373, 17979..18191, 18452..18838, 19114..19146, 19347..19648, 19918..20046, 21464..21518		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o3.np	Method	AAT/NAP
Start	22148	End	38757
GI	6573149	Score	450
Exons	22148..22368, 22448..22675, 29488..29606, 38734..38757		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o5.gs	Method	GENSCAN

Start	22172	End	34173
GI	none	Score	.56
Exons	22172..23133, 23504..23582, 25530..25646, 27127..27172, 27299..27338, 27489..27636, 28064..28237, 28500..28705, 29199..29362, 29441..29580, 29665..29728, 29874..30047, 30626..31140, 32023..32091, 32173..32235, 34120..34173		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o1.gp	Method	AAT/GAP
Start	29725	End	30067
GI	LIB3433-047-P1-K1-H2	Score	542
Exons	29725..30067		
GI Descrip.	'4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]'		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o4.np	Method	AAT/NAP
Start	35670	End	38757
GI	6063557	Score	359
Exons	35670..35855, 36104..36233, 38723..38757		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o2.gp	Method	AAT/GAP
Start	37159	End	38757
GI	4138298	Score	2195
Exons	37159..37381, 37516..37642, 37984..38757		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o5.np	Method	AAT/NAP
Start	37249	End	38536
GI	4138299	Score	1362
Exons	37249..37381, 37516..37642, 37984..38536		
GI Descrip.	(Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	84999	Strand	+
Start	22172	End	38757
Name	OJ991116_05.0330.C7.o7.gs	Method	GENSCAN
Start	37282	End	38539
GI	none	Score	.85
Exons	37282..37381, 37516..37642, 37984..38539		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85000	Strand	-
Start	1	End	9022
Name	OJ991116_05.0330.C7.o1.np	Method	AAT/NAP

Start	1	End	7908
GI	3927806	Score	946
Exons	1..57, 1331..1415, 1503..1543, 2426..2489, 2813..2888, 3064..3126, 3236..3330, 4836..4936, 5017..5039, 5121..5196, 5394..5471, 5663..5723, 7772..7908		
GI Descrip.	(U96439) aminoalcoholphosphotransferase [Pimpinella brachycarpa]		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85000	Strand	-
Start	1	End	9022
Name	OJ991116_05.0330.C7.o3.ts	Method	TBLASTX:Soybean
Start	1	End	7917
GI	none	Score	77
Exons	1..57, 2..58, 1326..1412, 1331..1417, 1331..1426, 1502..1543, 2423..2491, 2424..2492, 3068..3130, 3069..3143, 3234..3329, 3235..3327, 4836..4937, 4838..4936, 5020..5040, 5119..5223, 5120..5197, 5386..5499, 5394..5483, 5660..5713, 7772..7909, 7786..7917		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85000	Strand	-
Start	1	End	9022
Name	OJ991116_05.0330.C7.o2.tc	Method	TBLASTX:Cress
Start	1	End	7912
GI	none	Score	64
Exons	1..57, 8..58, 1326..1412, 1331..1426, 1502..1543, 2423..2491, 2424..2492, 2598..2621, 3068..3130, 3069..3149, 3234..3329, 3235..3327, 4836..4937, 4838..4936, 4876..4944, 5017..5040, 5119..5223, 5120..5221, 5394..5483, 5660..5713, 7772..7912, 7786..7908		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85000	Strand	-
Start	1	End	9022
Name	OJ991116_05.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	2423	End	7912
GI	none	Score	72
Exons	2423..2494, 2426..2488, 2815..2901, 3065..3127, 3066..3152, 3234..3329, 3235..3312, 3297..3329, 4833..4919, 4836..4934, 4838..4936, 5017..5040, 5018..5041, 5094..5204, 5095..5205, 5119..5223, 5120..5221, 5127..5225, 5394..5453, 5401..5454, 5666..5713, 7772..7909, 7786..7908, 7796..7912		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85000	Strand	-
Start	1	End	9022
Name	OJ991116_05.0330.C7.o2.gs	Method	GENSCAN
Start	7768	End	9022
GI	none	Score	.81
Exons	7768..8273, 8926..9022		

Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85001	Strand	
Start	22184	End	22688
Name	OJ991116_05.0330.C7.o2.ts	Method	TBLASTX:Soybean
Start	22184	End	22643
GI	none	Score	132

Exons	22184..22285, 22192..22284, 22508..22630, 22509..22643		
Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85001	Strand	
Start	22184	End	22688
Name	OJ991116_05.0330.C7.o3.tm	Method	TBLASTX:Maize
Start	22505	End	22640
GI	none	Score	223
Exons	22505..22630, 22509..22640		
Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85001	Strand	
Start	22184	End	22688
Name	OJ991116_05.0330.C7.o3.tc	Method	TBLASTX:Cress
Start	22508	End	22688
GI	none	Score	208
Exons	22508..22630, 22509..22688		
Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85002	Strand	
Start	29428	End	38068
Name	OJ991116_05.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	29428	End	38068
GI	none	Score	157
Exons	29428..29502, 29429..29542, 29531..29581, 29666..29722, 29668..29721, 37264..37389, 37266..37388, 37512..37616, 37593..37643, 37981..38049, 37982..38068		
Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85002	Strand	
Start	29428	End	38068
Name	OJ991116_05.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	29429	End	38068
GI	none	Score	139
Exons	29429..29542, 29531..29581, 29666..29722, 37263..37382, 37264..37389, 37512..37616, 37596..37643, 37981..38049, 37982..38068		
Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85002	Strand	
Start	29428	End	38068
Name	OJ991116_05.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	29429	End	38068
GI	none	Score	132
Exons	29429..29539, 29534..29602, 29666..29740, 29668..29721, 37264..37389, 37512..37616, 37596..37649, 37981..38049, 37982..38068		
Seq. No.	41021	Seq. ID	OJ991116_05.0330.C7
Gene No.	85002	Strand	
Start	29428	End	38068
Name	OJ991116_05.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	29432	End	37643
GI	none	Score	110
Exons	29432..29542, 29531..29581, 37264..37383, 37282..37377, 37503..37616, 37596..37643		

Seq. No.	41022	Seq. ID	OJ991116_05.0330.C8
Gene No.	85003	Strand	-
Start	531	End	1393
Name	OJ991116_05.0330.C8.o1.gs	Method	GENSCAN
Start	531	End	1393
GI	none	Score	.73
Exons	531..697, 1342..1393		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85004	Strand	+
Start	157	End	394
Name	OJ991116_05.0330.C9.o1.gs	Method	GENSCAN
Start	157	End	394
GI	none	Score	.56
Exons	157..394		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o1.np	Method	AAT/NAP
Start	2881	End	5856
GI	4680203	Score	1983
Exons	2881..2926, 4160..5856		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o1.gp	Method	AAT/GAP
Start	3674	End	4299
GI	2310235	Score	291
Exons	3674..3711, 4160..4299		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o2.gp	Method	AAT/GAP
Start	4164	End	5856
GI	342_1.R1084	Score	2784
Exons	4164..5856		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o2.gs	Method	GENSCAN
Start	4397	End	5827
GI	none	Score	.69
Exons	4397..4587, 4620..4971, 5002..5265, 5274..5502, 5601..5827		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o2.tw	Method	TBLASTX:Wheat

Start	4466	End	4861
GI	none	Score	84
Exons	4466..4618, 4485..4604, 4601..4681, 4602..4850, 4615..4851, 4673..4861, 4682..4855		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	4782	End	5211
GI	none	Score	103
Exons	4782..4865, 4783..4857, 4858..4920, 4915..5211, 4969..5193		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	4944	End	5259
GI	none	Score	266
Exons	4944..5096, 4951..5259, 5136..5231		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	5080	End	5542
GI	none	Score	64
Exons	5080..5133, 5088..5132, 5134..5238, 5145..5234, 5252..5338, 5253..5339, 5319..5510, 5340..5504, 5342..5506, 5498..5542		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	5137	End	5581
GI	none	Score	108
Exons	5137..5259, 5253..5378, 5388..5504, 5498..5581		

Seq. No.	41023	Seq. ID	OJ991116_05.0330.C9
Gene No.	85005	Strand	+
Start	4397	End	5856
Name	OJ991116_05.0330.C9.o3.tw	Method	TBLASTX:Wheat
Start	5642	End	5855
GI	none	Score	106
Exons	5642..5764, 5644..5787, 5761..5853, 5762..5854, 5766..5855, 5774..5854		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o1.gp	Method	AAT/GAP
Start	1	End	2271
GI	342_1.R1084	Score	3687
Exons	1..1578, 1614..1633, 1712..2271		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o3.gp	Method	AAT/GAP
Start	1	End	2260
GI	342_1.R1084	Score	3673
Exons	1..1578, 1614..1633, 1712..2260		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	947
GI	6742729	Score	1398
Exons	1..947		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o2.gp	Method	AAT/GAP
Start	1	End	2270
GI	342_1.R1084	Score	3685
Exons	1..1578, 1614..1633, 1712..2270		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o1.tw	Method	TBLASTX:Wheat
Start	128	End	1431
GI	none	Score	378
Exons	128..430, 141..431, 142..459, 149..433, 424..465, 425..463, 454..603, 457..1032, 468..1016, 1025..1066, 1027..1071, 1074..1127, 1078..1134, 1116..1256, 1117..1257, 1270..1350, 1339..1431, 1365..1430		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	159	End	463
GI	none	Score	249
Exons	159..431, 170..430, 425..463		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10
Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o1.gs	Method	GENSCAN
Start	267	End	1506
GI	none	Score	.66
Exons	267..341, 415..1506		

Seq. No.	41024	Seq. ID	OJ991116_05.0330.C10

Gene No.	85006	Strand	+
Start	1	End	2271
Name	OJ991116_05.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	424	End	849
GI	none	Score	67
Exons	424..465, 425..463, 427..603,	457..849, 468..845, 700..849	

Seq. No.	41025	Seq. ID	OJ991116_05.0330.C11
Gene No.	85007	Strand	+
Start	1303	End	1820
Name	OJ991116_05.0330.C11.o1.np	Method	AAT/NAP
Start	1303	End	1820
GI	4680204	Score	159
Exons	1303..1820		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41025	Seq. ID	OJ991116_05.0330.C11
Gene No.	85008	Strand	-
Start	1482	End	1750
Name	OJ991116_05.0330.C11.o1.gp	Method	AAT/GAP
Start	1482	End	1750
GI	2310235	Score	361
Exons	1482..1750		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41026	Seq. ID	OJ991116_05.0330.C12
Gene No.	85009	Strand	+
Start	54	End	508
Name	OJ991116_05.0330.C12.o1.gs	Method	GENSCAN
Start	54	End	508
GI	none	Score	.84
Exons	54..140, 186..305, 503..508		

Seq. No.	41026	Seq. ID	OJ991116_05.0330.C12
Gene No.	85010	Strand	-
Start	733	End	1117
Name	OJ991116_05.0330.C12.o1.np	Method	AAT/NAP
Start	733	End	1117
GI	5295955	Score	137
Exons	733..1117		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	41027	Seq. ID	OJ990826_13.0323.C2
Gene No.	85011	Strand	+
Start	1	End	438
Name	OJ990826_13.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	438
GI	7489382	Score	488
Exons	1..438		
GI Descrip.	ids-4 protein - barley gi|285636|dbj|BAA03206.1| (D14161) ORF [Hordeum vulgare]		

Seq. No.	41027	Seq. ID	OJ990826_13.0323.C2
Gene No.	85011	Strand	+
Start	1	End	438

Name	OJ990826_13.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	372
GI	none	Score	112
Exons	1..72, 1..96, 145..372, 165..296		

Seq. No.	41027	Seq. ID	OJ990826_13.0323.C2
Gene No.	85011	Strand	+
Start	1	End	438
Name	OJ990826_13.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	128	End	372
GI	none	Score	124
Exons	128..148, 183..320, 184..372, 186..311, 277..372		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85012	Strand	+
Start	500	End	2959
Name	OJ990826_13.0323.C3.o1.gp	Method	AAT/GAP
Start	500	End	1705
GI	uC-osf1cyp085c05b1	Score	749
Exons	500..550, 649..699, 783..890, 969..1133, 1669..1705		
GI Descrip.	'2131531/pir||S69554 1.0e-08 hypothetical protein YDR496c - yeast (Saccharomyces cerevisiae) >gi_927766 (U33057) Ydr496cp; CAI: 0.25 [Saccharomyces cerevisiae]'		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85012	Strand	+
Start	500	End	2959
Name	OJ990826_13.0323.C3.o1.gs	Method	GENSCAN
Start	500	End	2733
GI	none	Score	.8
Exons	500..550, 649..699, 969..1133, 1669..1743, 2112..2350, 2547..2733		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85012	Strand	+
Start	500	End	2959
Name	OJ990826_13.0323.C3.o2.gp	Method	AAT/GAP
Start	2218	End	2959
GI	none	Score	894
Exons	2218..2350, 2604..2959		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85013	Strand	+
Start	3480	End	4827
Name	OJ990826_13.0323.C3.o2.gs	Method	GENSCAN
Start	3480	End	4827
GI	none	Score	.67
Exons	3480..4166, 4336..4827		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85014	Strand	+
Start	8770	End	11003
Name	OJ990826_13.0323.C3.o3.gp	Method	AAT/GAP
Start	8705	End	9213
GI	none	Score	441
Exons	8705..8959, 9148..9213		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85014	Strand	+
Start	8770	End	11003
Name	OJ990826_13.0323.C3.o4.gs	Method	GENSCAN
Start	8770	End	9237
GI	none	Score	.68
Exons	8770..9237		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85014	Strand	+
Start	8770	End	11003
Name	OJ990826_13.0323.C3.o1.np	Method	AAT/NAP
Start	8782	End	11003
GI	7485204	Score	369
Exons	8782..8926, 8959..9108, 10197..10397, 10500..10726, 10960..11003		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244965|emb|CAB10386.1| (Z97340) hypothetical protein [Arabidopsis thaliana] gi|7268356|emb|CAB78649.1| (AL161543) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85014	Strand	+
Start	8770	End	11003
Name	OJ990826_13.0323.C3.o4.gp	Method	AAT/GAP
Start	9044	End	10689
GI	LIB3434-058-P1-K1-C12	Score	747
Exons	9044..9108, 10197..10388, 10500..10689		
GI Descrip.	'2244965/emb|CAB10386.1| 2.0e-25 (Z97340) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85015	Strand	-
Start	5765	End	7204
Name	OJ990826_13.0323.C3.o2.tm	Method	TBLASTX:Maize
Start	967	End	2739
GI	none	Score	116
Exons	967..1134, 968..1135, 972..1151, 1007..1132, 1663..1746, 1686..1742, 1688..1765, 2109..2348, 2109..2348, 2110..2349, 2114..2350, 2120..2350, 2601..2735, 2602..2739		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85015	Strand	-
Start	5765	End	7204
Name	OJ990826_13.0323.C3.o3.gs	Method	GENSCAN
Start	5765	End	7204
GI	none	Score	.57
Exons	5765..5875, 6115..6220, 7104..7204		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85016	Strand	
Start	10196	End	10742
Name	OJ990826_13.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	10196	End	10742
GI	none	Score	38
Exons	10196..10231, 10202..10288, 10203..10289, 10203..10346, 10286..10369, 10290..10397, 10293..10391, 10294..10401, 10497..10742, 10499..10738		

Seq. No.	41028	Seq. ID	OJ990826_13.0323.C3
Gene No.	85016	Strand	
Start	10196	End	10742
Name	OJ990826_13.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	10500	End	10709
GI	none	Score	247
Exons	10500..10709, 10508..10708		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85017	Strand	+
Start	180	End	2423
Name	OJ990826_13.0323.C4.o1.gs	Method	GENSCAN
Start	180	End	2392
GI	none	Score	.99
Exons	180..282, 701..819, 1131..1286, 1790..2392		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85017	Strand	+
Start	180	End	2423
Name	OJ990826_13.0323.C4.o1.gp	Method	AAT/GAP
Start	1170	End	2423
GI	19002_1.R1084	Score	1423
Exons	1170..1286, 1790..2423		
GI Descrip.	'6006395/emb|CAB56768.1| 1.0e-10 (AJ132096) squamosa promoter binding protein-like 12 [Arabidopsis thaliana] >gi_6006403_emb_CAB56769.1_ (AJ132097) squamosa promoter binding protein-like 12 [Arabidopsis thaliana]'		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85018	Strand	+
Start	2692	End	3237
Name	OJ990826_13.0323.C4.o2.gs	Method	GENSCAN
Start	2692	End	3237
GI	none	Score	.99
Exons	2692..3237		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85019	Strand	+
Start	4160	End	5783
Name	OJ990826_13.0323.C4.o4.np	Method	AAT/NAP
Start	3920	End	5783
GI	7340868	Score	185
Exons	3920..3963, 5572..5783		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85019	Strand	+
Start	4160	End	5783
Name	OJ990826_13.0323.C4.o3.gs	Method	GENSCAN
Start	4160	End	5717
GI	none	Score	.82
Exons	4160..4356, 4682..4896, 5262..5306, 5533..5717		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85020	Strand	+
Start	6748	End	7353

Name	OJ990826_13.0323.C4.o4.gs	Method	GENSCAN
Start	6748	End	7353
GI	none	Score	.88
Exons	6748..7353		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85020	Strand	+
Start	6748	End	7353
Name	OJ990826_13.0323.C4.o2.gp	Method	AAT/GAP
Start	6831	End	7068
GI	2427559	Score	435
Exons	6831..7068		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85021	Strand	+
Start	8112	End	11321
Name	OJ990826_13.0323.C4.o5.gs	Method	GENSCAN
Start	8112	End	11321
GI	none	Score	.49
Exons	8112..8169, 8633..9187, 11071..11321		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85022	Strand	+
Start	14221	End	14991
Name	OJ990826_13.0323.C4.o3.gp	Method	AAT/GAP
Start	14221	End	14852
GI	15073_1.R1084	Score	764
Exons	14221..14383, 14618..14852		
GI Descrip.	'5734716/gb|AAD49981.1|AC008075_14 6.0e-24 (AC008075) Simialr to gb_AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]'		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85022	Strand	+
Start	14221	End	14991
Name	OJ990826_13.0323.C4.o5.np	Method	AAT/NAP
Start	14287	End	14991
GI	5734716	Score	328
Exons	14287..14383, 14618..14991		
GI Descrip.	(AC008075) Simialr to gb|AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85023	Strand	+
Start	19887	End	20433
Name	OJ990826_13.0323.C4.o6.np	Method	AAT/NAP
Start	19887	End	20433
GI	4105794	Score	342
Exons	19887..19960, 20072..20433		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85024	Strand	+
Start	24271	End	24832
Name	OJ990826_13.0323.C4.o7.np	Method	AAT/NAP
Start	24271	End	24832
GI	4105794	Score	321

Exons	24271..24344, 24475..24832		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85025	Strand	+
Start	27324	End	28117
Name	OJ990826_13.0323.C4.o4.gp	Method	AAT/GAP
Start	27324	End	27902
GI	15073_1.R1084	Score	320
Exons	27324..27453, 27484..27530, 27757..27902		
GI Descrip.	'5734716/gb|AAD49981.1|AC008075_14 6.0e-24 (AC008075) Simialr to gb_AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]'		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85025	Strand	+
Start	27324	End	28117
Name	OJ990826_13.0323.C4.o10.np	Method	AAT/NAP
Start	27457	End	28117
GI	4105794	Score	348
Exons	27457..27530, 27757..28117		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85026	Strand	-
Start	2665	End	7046
Name	OJ990826_13.0323.C4.o3.np	Method	AAT/NAP
Start	2665	End	7046
GI	7106516	Score	179
Exons	2665..2940, 4825..5014, 5750..6102, 6962..7046		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o3.tm	Method	TBLASTX:Maize
Start	2221	End	2377
GI	none	Score	90
Exons	2221..2361, 2224..2325, 2225..2377, 2240..2365		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	6805	End	7290
GI	none	Score	72
Exons	6805..6909, 6829..6876, 6874..7095, 6984..7064, 7099..7290, 7104..7277, 7192..7284		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o2.tw	Method	TBLASTX:Wheat
Start	6984	End	7242
GI	none	Score	146
Exons	6984..7061, 6985..7095, 7099..7242		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	14329	End	28055
GI	none	Score	83
Exons	14329..14385, 14607..14747, 14620..14745, 14740..14823, 14742..14822, 14802..14924, 14803..14928, 19876..19911, 19893..19958, 19894..19962, 20071..20130, 20073..20201, 20074..20202, 20194..20388, 20196..20369, 20302..20388, 24476..24532, 24477..24617, 24610..24657, 24712..24780, 27756..27812, 27758..27886, 27759..27884, 27878..28054, 27879..28055		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	14335	End	28013
GI	none	Score	95
Exons	14335..14385, 14340..14381, 14607..14822, 14620..14823, 14802..14876, 14803..14877, 19870..19914, 19884..19913, 19897..19983, 19911..19958, 20071..20133, 20073..20138, 20073..20327, 20074..20328, 24295..24342, 24476..24535, 24477..24611, 24610..24660, 24615..24641, 27440..27484, 27457..27483, 27481..27528, 27758..28012, 27759..28013		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	14341	End	28055
GI	none	Score	73
Exons	14341..14385, 14619..14795, 14620..14796, 14811..14921, 14812..14928, 19899..19955, 19918..19962, 20073..20375, 20074..20379, 24476..24535, 24477..24611, 24610..24651, 24712..24780, 27758..28048, 27759..28055		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	14601	End	28046
GI	none	Score	272
Exons	14601..14789, 14620..14805, 14805..14921, 14812..14928, 19900..19983, 20073..20375, 20074..20379, 24476..24532, 24477..24611, 24610..24651, 24711..24776, 24712..24780, 27758..28042, 27759..28046		

Seq. No.	41029	Seq. ID	OJ990826_13.0323.C4
Gene No.	85027	Strand	-
Start	24154	End	28055
Name	OJ990826_13.0323.C4.o7.gs	Method	GENSCAN
Start	24154	End	26571
GI	none	Score	.69
Exons	24154..24215, 24224..24617, 24622..24894, 26431..26571		

Seq. No.	41030	Seq. ID	OJ990826_13.0323.C5
Gene No.	85028	Strand	+
Start	325	End	416
Name	OJ990826_13.0323.C5.o1.gs	Method	GENSCAN
Start	325	End	416
GI	none	Score	.46
Exons	325..416		

Seq. No.	41030	Seq. ID	OJ990826_13.0323.C5
Gene No.	85029	Strand	+
Start	6651	End	6790
Name	OJ990826_13.0323.C5.o2.gp	Method	AAT/GAP
Start	6651	End	6790
GI	7406_1.R1084	Score	171
Exons	6651..6790		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41030	Seq. ID	OJ990826_13.0323.C5
Gene No.	85030	Strand	-
Start	2842	End	6213
Name	OJ990826_13.0323.C5.o2.gs	Method	GENSCAN
Start	2842	End	6213
GI	none	Score	.42
Exons	2842..2947, 3574..3722, 3803..4003, 4174..4476, 4553..4742, 5213..6213		

Seq. No.	41030	Seq. ID	OJ990826_13.0323.C5
Gene No.	85030	Strand	-
Start	2842	End	6213
Name	OJ990826_13.0323.C5.o1.gp	Method	AAT/GAP
Start	3249	End	4961
GI	LIB3431-045-P1-N1-A10	Score	624
Exons	3249..3357, 4720..4961		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41030	Seq. ID	OJ990826_13.0323.C5
Gene No.	85030	Strand	-
Start	2842	End	6213
Name	OJ990826_13.0323.C5.o1.np	Method	AAT/NAP
Start	3693	End	6126
GI	7228438	Score	2006
Exons	3693..3711, 4957..6126		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85031	Strand	+
Start	1933	End	2595
Name	OJ990826_13.0323.C6.o1.gs	Method	GENSCAN
Start	1933	End	2595
GI	none	Score	1
Exons	1933..1999, 2252..2595		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6

Gene No.	85031	Strand	+
Start	1933	End	2595
Name	OJ990826_13.0323.C6.o1.np	Method	AAT/NAP
Start	1933	End	2592
GI	4105794	Score	254
Exons	1933..1999, 2252..2592		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85032	Strand	+
Start	5470	End	6237
Name	OJ990826_13.0323.C6.o2.gs	Method	GENSCAN
Start	5470	End	6237
GI	none	Score	.73
Exons	5470..5681, 6012..6237		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85032	Strand	+
Start	5470	End	6237
Name	OJ990826_13.0323.C6.o2.np	Method	AAT/NAP
Start	5499	End	6234
GI	4105794	Score	329
Exons	5499..5572, 5884..6234		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85033	Strand	+
Start	9006	End	9524
Name	OJ990826_13.0323.C6.o3.gs	Method	GENSCAN
Start	9006	End	9524
GI	none	Score	.66
Exons	9006..9233, 9363..9524		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85034	Strand	+
Start	10932	End	11543
Name	OJ990826_13.0323.C6.o1.gp	Method	AAT/GAP
Start	10819	End	11283
GI	29419_1.R1084	Score	914
Exons	10819..11283		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85034	Strand	+
Start	10932	End	11543
Name	OJ990826_13.0323.C6.o4.gs	Method	GENSCAN
Start	10932	End	11543
GI	none	Score	.69
Exons	10932..11543		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85035	Strand	+
Start	13754	End	19508
Name	OJ990826_13.0323.C6.o5.gs	Method	GENSCAN
Start	13754	End	19508
GI	none	Score	.54

Exons	13754..15002, 15111..15547, 15791..15958, 16091..16907, 17165..17608, 17693..18054, 18267..19508		
Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85035	Strand	+
Start	13754	End	19508
Name	OJ990826_13.0323.C6.o3.np	Method	AAT/NAP
Start	13772	End	19505
GI	7228457	Score	5783
Exons	13772..14256, 14321..15974, 16038..16871, 16994..17890, 17957..19505		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85036	Strand	+
Start	24513	End	24944
Name	OJ990826_13.0323.C6.o2.gp	Method	AAT/GAP
Start	24513	End	24944
GI	2428185	Score	721
Exons	24513..24944		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85037	Strand	+
Start	31509	End	31996
Name	OJ990826_13.0323.C6.o4.gp	Method	AAT/GAP
Start	31509	End	31996
GI	uC-osf1cyp162a07a1	Score	682
Exons	31509..31669, 31769..31996		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o7.np	Method	AAT/NAP
Start	34000	End	40457
GI	5302785	Score	1129
Exons	34000..34152, 34514..34793, 35400..35606, 37174..37620, 39876..40187, 40263..40457		
GI Descrip.	(Z97340) putative epoxide hydrolase [Arabidopsis thaliana]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o8.gs	Method	GENSCAN
Start	34479	End	35875
GI	none	Score	.92
Exons	34479..34793, 35406..35606, 35864..35875		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o10.gs	Method	GENSCAN

Start	37405	End	37674
GI	none	Score	.79
Exons	37405..37674		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o8.np	Method	AAT/NAP
Start	39805	End	42428
GI	7488672	Score	764
Exons	39805..40181, 40263..40445, 41139..41371, 42185..42428		
GI Descrip.	epoxide hydrolase homolog - soybean gi|2764806|emb|CAA55294.1| (X78548) epoxide hydrolase [Glycine max]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o12.gs	Method	GENSCAN
Start	39879	End	45559
GI	none	Score	.84
Exons	39879..40181, 40263..40445, 41139..41371, 42185..42463, 43043..43163, 43280..43454, 44174..44226, 45094..45144, 45248..45365, 45444..45559		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o9.np	Method	AAT/NAP
Start	41261	End	42428
GI	7489254	Score	354
Exons	41261..41371, 42185..42428		
GI Descrip.	probable epoxide hydrolase (EC 3.3.2.3) (clone EH10.1) - potato gi|407944|gb|AAA81892.1| (U02497) epoxide hydrolase [Solanum tuberosum]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o6.gp	Method	AAT/GAP
Start	43039	End	43484
GI	426881	Score	468
Exons	43039..43163, 43280..43484		
GI Descrip.	5302783/emb|CAB46032.1| 1.0e-16 (Z97340) isomerase like protein [Arabidopsis thaliana]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85038	Strand	+
Start	34000	End	45559
Name	OJ990826_13.0323.C6.o10.np	Method	AAT/NAP
Start	43056	End	45553
GI	5302783	Score	601
Exons	43056..43163, 43280..43454, 44174..44226, 44647..44709, 45094..45144, 45248..45365, 45444..45553		
GI Descrip.	(Z97340) isomerase like protein [Arabidopsis thaliana]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85039	Strand	-

Start	20153	End	33535
Name	OJ990826_13.0323.C6.o4.np	Method	AAT/NAP
Start	20129	End	26670
GI	5803259	Score	1935
Exons	20129..20803, 20909..21082, 21176..22068, 22127..22297, 22392..22754, 25780..26670		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85039	Strand	-
Start	20153	End	33535
Name	OJ990826_13.0323.C6.o6.gs	Method	GENSCAN
Start	20153	End	23904
GI	none	Score	.43
Exons	20153..21053, 21105..21496, 21546..22107, 22396..22613, 22625..22797, 23185..23654, 23798..23904		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85039	Strand	-
Start	20153	End	33535
Name	OJ990826_13.0323.C6.o7.gs	Method	GENSCAN
Start	25918	End	33535
GI	none	Score	.47
Exons	25918..26310, 26356..26464, 27132..27254, 27299..27436, 28856..28925, 29441..29570, 29576..29828, 30194..30244, 30863..30891, 31080..31731, 31927..32090, 32375..32517, 32844..32912, 33279..33315, 33506..33535		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85039	Strand	-
Start	20153	End	33535
Name	OJ990826_13.0323.C6.o5.np	Method	AAT/NAP
Start	28103	End	33185
GI	6063554	Score	274
Exons	28103..28275, 29348..29393, 29603..29810, 32940..33185		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85039	Strand	-
Start	20153	End	33535
Name	OJ990826_13.0323.C6.o6.np	Method	AAT/NAP
Start	28166	End	32090
GI	6983860	Score	997
Exons	28166..28201, 31047..32090		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85040	Strand	-
Start	36276	End	36813
Name	OJ990826_13.0323.C6.o9.gs	Method	GENSCAN
Start	36276	End	36813
GI	none	Score	.87
Exons	36276..36637, 36738..36813		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85041	Strand	-
Start	38147	End	39201
Name	OJ990826_13.0323.C6.o11.gs	Method	GENSCAN
Start	38147	End	39201
GI	none	Score	.68
Exons	38147..38418, 38596..38883, 39144..39201		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o6.tm	Method	TBLASTX:Maize
Start	1951	End	6189
GI	none	Score	71
Exons	1951..2001, 2253..2366, 2254..2382, 2374..2556, 2406..2555, 5530..5574, 5867..6013, 5886..6026, 6019..6189, 6021..6179, 6112..6186		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o5.tw	Method	TBLASTX:Wheat
Start	1957	End	6187
GI	none	Score	72
Exons	1957..2001, 2253..2354, 2254..2508, 2406..2501, 5409..5483, 5529..5570, 5530..5574, 5761..5784, 5867..6016, 5886..6020, 5886..6023, 6019..6138, 6024..6137, 6134..6187		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	2253	End	6192
GI	none	Score	278
Exons	2253..2354, 2254..2550, 5530..5574, 5885..5974, 5886..6020, 6019..6192, 6021..6191		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o3.tc	Method	TBLASTX:Cress
Start	2253	End	6192
GI	none	Score	290
Exons	2253..2339, 2254..2550, 2436..2549, 5530..5574, 5712..5738, 5885..6019, 5886..6020, 6019..6192, 6027..6185		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	10878	End	11474
GI	none	Score	148
Exons	10878..11177, 10934..11062, 11078..11473, 11079..11474, 11178..11474		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-

Start	42216	End	45580
Name	OJ990826_13.0323.C6.o10.tw	Method	TBLASTX:Wheat
Start	14491	End	14833
GI	none	Score	110
Exons	14491..14583, 14495..14593, 14560..14799, 14561..14833		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o7.tw	Method	TBLASTX:Wheat
Start	15357	End	44211
GI	none	Score	104
Exons	15357..15461, 43074..43163, 43094..43165, 43095..43163, 43277..43456, 43277..43462, 44172..44204, 44173..44211		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o11.tw	Method	TBLASTX:Wheat
Start	15604	End	15937
GI	none	Score	76
Exons	15604..15693, 15697..15918, 15698..15937		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	16045	End	16507
GI	none	Score	555
Exons	16045..16506, 16046..16507		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o6.ts	Method	TBLASTX:Soybean
Start	16085	End	16450
GI	none	Score	113
Exons	16085..16309, 16316..16450		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o5.tm	Method	TBLASTX:Maize
Start	16175	End	16531
GI	none	Score	375
Exons	16175..16531, 16216..16521		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o7.tm	Method	TBLASTX:Maize
Start	16558	End	16942
GI	none	Score	352
Exons	16558..16815, 16559..16942		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-

Start	42216	End	45580
Name	OJ990826_13.0323.C6.o2.tw	Method	TBLASTX:Wheat
Start	16616	End	17020
GI	none	Score	466
Exons	16616..17020, 16621..16983		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o5.ts	Method	TBLASTX:Soybean
Start	16694	End	17064
GI	none	Score	234
Exons	16694..17032, 16708..16815, 17014..17064		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o6.tw	Method	TBLASTX:Wheat
Start	17416	End	17868
GI	none	Score	208
Exons	17416..17637, 17436..17657, 17716..17868, 17727..17867		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o7.ts	Method	TBLASTX:Soybean
Start	17539	End	18105
GI	5666795	Score	56
Exons	17539..17637, 17731..17868, 17917..18105		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o8.tm	Method	TBLASTX:Maize
Start	18375	End	18709
GI	none	Score	315
Exons	18375..18698, 18494..18685, 18569..18709		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o3.tw	Method	TBLASTX:Wheat
Start	18512	End	18893
GI	none	Score	383
Exons	18512..18568, 18513..18893, 18614..18880		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o9.tw	Method	TBLASTX:Wheat
Start	18896	End	19496
GI	none	Score	110
Exons	18896..19123, 18897..19184, 18898..18936, 18899..18997, 19032..19145, 19037..19177, 19051..19185, 19371..19496, 19373..19492		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o9.tm	Method	TBLASTX:Maize
Start	31401	End	31691
GI	none	Score	42
Exons	31401..31463, 31428..31691, 31504..31665		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o8.tw	Method	TBLASTX:Wheat
Start	31572	End	31928
GI	none	Score	74
Exons	31572..31928, 31573..31713, 31750..31920		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	34509	End	40133
GI	none	Score	289
Exons	34509..34745, 34514..34744, 39884..40132, 39885..40133		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	34509	End	40439
GI	none	Score	60
Exons	34509..34553, 34514..34546, 34590..34745, 34595..34714, 35390..35506, 35391..35531, 35394..35507, 39894..39962, 39902..39958, 39962..40102, 39963..40133, 40253..40288, 40263..40364, 40278..40370, 40280..40375, 40362..40439		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	34515	End	40439
GI	none	Score	40
Exons	34515..34553, 34590..34745, 34595..34744, 35400..35507, 35405..35527, 35574..35600, 39903..39956, 39944..40132, 39948..40133, 40235..40390, 40256..40288, 40275..40409, 40413..40439		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o12.tw	Method	TBLASTX:Wheat
Start	34590	End	40109
GI	none	Score	186
Exons	34590..34730, 34590..34643, 34595..34720, 39944..40108, 39948..40109		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-

Start	42216	End	45580
Name	OJ990826_13.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	35397	End	42428
GI	none	Score	317
Exons	35397..35546, 35399..35608, 35400..35606, 37147..37269, 37161..37268, 37321..37656, 37336..37476, 37368..37520, 37590..37655, 40224..40367, 40275..40367, 40379..40447, 40380..40445, 41262..41369, 42176..42427, 42177..42428, 42177..42428		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o3.ts	Method	TBLASTX:Soybean
Start	35544	End	42437
GI	none	Score	66
Exons	35544..35606, 37318..37656, 37368..37496, 41268..41372, 42185..42427, 42185..42259, 42186..42428, 42186..42437		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	37318	End	42431
GI	none	Score	343
Exons	37318..37656, 37371..37526, 41265..41369, 42180..42428, 42180..42431		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o4.tw	Method	TBLASTX:Wheat
Start	37360	End	42428
GI	none	Score	336
Exons	37360..37656, 37368..37520, 41328..41372, 42170..42406, 42174..42428, 42174..42428		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o5.gp	Method	AAT/GAP
Start	42216	End	42652
GI	uC-osflcyp067a05a1	Score	859
Exons	42216..42652		
GI Descrip.	'407940 2.0e-16 (U02495) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o4.tm	Method	TBLASTX:Maize
Start	43074	End	45580
GI	none	Score	115
Exons	43074..43163, 43094..43165, 43095..43163, 43159..43284, 43277..43456, 43279..43455, 43388..43459, 44171..44218, 44172..44219, 44173..44226, 44173..44235, 44632..44709, 44633..44707, 44646..44711, 44647..44712, 45084..45146, 45094..45147, 45238..45369, 45242..45367, 45442..45579,		

45443..45580

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o4.tc	Method	TBLASTX:Cress
Start	43094	End	44715
GI	none	Score	96
Exons	43094..43165, 43095..43163, 43277..43327, 43279..43326, 43334..43456, 43411..43455, 44173..44238, 44653..44715		

Seq. No.	41031	Seq. ID	OJ990826_13.0323.C6
Gene No.	85042	Strand	-
Start	42216	End	45580
Name	OJ990826_13.0323.C6.o4.ts	Method	TBLASTX:Soybean
Start	43094	End	45544
GI	none	Score	99
Exons	43094..43165, 43095..43163, 43277..43327, 43279..43326, 43334..43456, 43388..43459, 44173..44226, 44632..44703, 44646..44702, 44647..44712, 45094..45159, 45116..45160, 45242..45367, 45244..45369, 45442..45534, 45443..45544		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85043	Strand	+
Start	4566	End	5721
Name	OJ990826_13.0323.C7.o3.gs	Method	GENSCAN
Start	4566	End	5721
GI	none	Score	.71
Exons	4566..4570, 4627..4675, 4761..4846, 5601..5721		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85044	Strand	+
Start	16266	End	16940
Name	OJ990826_13.0323.C7.o6.gs	Method	GENSCAN
Start	16266	End	16940
GI	none	Score	.75
Exons	16266..16940		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85045	Strand	-
Start	188	End	388
Name	OJ990826_13.0323.C7.o1.gs	Method	GENSCAN
Start	188	End	388
GI	none	Score	.7
Exons	188..388		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85046	Strand	-
Start	1475	End	3868
Name	OJ990826_13.0323.C7.o2.gs	Method	GENSCAN
Start	1475	End	3868
GI	none	Score	.9
Exons	1475..3868		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85046	Strand	-
Start	1475	End	3868

Name	OJ990826_13.0323.C7.o1.np	Method	AAT/NAP
Start	1478	End	3858
GI	7428024	Score	571
Exons	1478..2406, 2438..3858		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) T20K24.15 precursor - Arabidopsis thaliana gi|3176715|gb|AAD12030.1| (AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85047	Strand	-
Start	6464	End	11175
Name	OJ990826_13.0323.C7.o4.gs	Method	GENSCAN
Start	6464	End	11142
GI	none	Score	.99
Exons	6464..8647, 10984..11142		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85047	Strand	-
Start	6464	End	11175
Name	OJ990826_13.0323.C7.o2.np	Method	AAT/NAP
Start	6479	End	11175
GI	7486735	Score	1979
Exons	6479..8647, 10984..11175		
GI Descrip.	hypothetical protein F9D16.170 - Arabidopsis thaliana gi|4454039|emb|CAA23036.1| (AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana] gi|7269218|emb|CAB79325.1| (AL161559) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o2.ts	Method	TBLASTX:Soybean
Start	1427	End	2125
GI	none	Score	54
Exons	1427..1639, 1643..1867, 1728..1829, 1881..2009, 1883..2068, 2069..2125		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	1490	End	3442
GI	none	Score	91
Exons	1490..1636, 1628..1690, 1721..1966, 1721..2053, 1725..2009, 2069..2278, 2070..2252, 2279..2383, 2280..2351, 3284..3442		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o2.tm	Method	TBLASTX:Maize
Start	1727	End	2317
GI	none	Score	71
Exons	1727..2047, 1881..1973, 2060..2317, 2127..2315		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-

Start	12590	End	16507
Name	OJ990826_13.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	1817	End	2207
GI	none	Score	77
Exons	1817..2053, 1817..2206, 1884..2207		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o3.tw	Method	TBLASTX:Wheat
Start	6690	End	7043
GI	none	Score	71
Exons	6690..6794, 6863..7042, 6864..7043		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o5.ts	Method	TBLASTX:Soybean
Start	6863	End	7069
GI	none	Score	84
Exons	6863..7069, 6963..7058		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	6893	End	7577
GI	none	Score	173
Exons	6893..7246, 6972..7247, 7301..7576, 7302..7577		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o2.tc	Method	TBLASTX:Cress
Start	6926	End	7651
GI	none	Score	116
Exons	6926..7246, 6963..7241, 7298..7405, 7406..7624, 7419..7538, 7547..7651, 7554..7649		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o4.ts	Method	TBLASTX:Soybean
Start	7097	End	7510
GI	none	Score	55
Exons	7097..7246, 7098..7220, 7295..7417, 7314..7406, 7412..7510		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o3.ts	Method	TBLASTX:Soybean
Start	7580	End	7913
GI	none	Score	276
Exons	7580..7912, 7581..7913		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-

Start	12590	End	16507
Name	OJ990826_13.0323.C7.o5.tm	Method	TBLASTX:Maize
Start	8171	End	8482
GI	none	Score	85
Exons	8171..8278, 8175..8360, 8222..8419, 8423..8482		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o5.tc	Method	TBLASTX:Cress
Start	8277	End	11143
GI	none	Score	75
Exons	8277..8369, 8279..8368, 8435..8653, 8550..8657, 10984..11142, 10985..11143		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o5.gs	Method	GENSCAN
Start	12590	End	14911
GI	none	Score	.66
Exons	12590..12607, 13477..14286, 14388..14582, 14669..14911		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o1.gp	Method	AAT/GAP
Start	13461	End	13928
GI	LIB3432-041-P1-K1-D3	Score	901
Exons	13461..13928		
GI Descrip.	'5302783/emb|CAB46032.1| 1.0e-16 (Z97340) isomerase like protein [Arabidopsis thaliana]'		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o3.np	Method	AAT/NAP
Start	13504	End	15570
GI	7329666	Score	742
Exons	13504..14286, 14388..14582, 14669..14998, 15524..15570		
GI Descrip.	(AL162351) (1-4)-beta-mannan endohydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	13600	End	14930
GI	none	Score	56
Exons	13600..13698, 13702..13830, 13718..13783, 13841..14032, 13843..14031, 14062..14301, 14120..14284, 14388..14585, 14389..14583, 14669..14872, 14685..14930		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o3.tm	Method	TBLASTX:Maize

Start	13705	End	14299
GI	none	Score	44
Exons	13705..13821, 13714..13821, 13843..13947, 13844..13945, 13954..14034, 13955..14005, 14059..14292, 14105..14287, 14176..14289, 14183..14299		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o2.tw	Method	TBLASTX:Wheat
Start	13870	End	14262
GI	none	Score	65
Exons	13870..14106, 13871..14005, 14080..14259, 14105..14260, 14179..14262, 14186..14260		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o3.tc	Method	TBLASTX:Cress
Start	13957	End	14495
GI	none	Score	145
Exons	13957..14052, 14047..14304, 14108..14290, 14176..14301, 14195..14311, 14379..14495, 14380..14463		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o4.tc	Method	TBLASTX:Cress
Start	14529	End	14872
GI	none	Score	50
Exons	14529..14585, 14539..14583, 14669..14872, 14673..14855		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o4.tm	Method	TBLASTX:Maize
Start	14547	End	14929
GI	none	Score	49
Exons	14547..14585, 14548..14583, 14669..14872, 14670..14873, 14873..14920, 14879..14929		

Seq. No.	41032	Seq. ID	OJ990826_13.0323.C7
Gene No.	85048	Strand	-
Start	12590	End	16507
Name	OJ990826_13.0323.C7.o2.gp	Method	AAT/GAP
Start	14891	End	16507
GI	426204	Score	518
Exons	14891..14958, 16293..16507		

Seq. No.	41033	Seq. ID	OJ990826_13.0323.C8
Gene No.	85049	Strand	+
Start	1	End	653
Name	OJ990826_13.0323.C8.o1.np	Method	AAT/NAP
Start	1	End	653
GI	7510076	Score	99
Exons	1..34, 300..653		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	41033	Seq. ID	OJ990826_13.0323.C8
Gene No.	85050	Strand	-
Start	1841	End	2108
Name	OJ990826_13.0323.C8.o1.gs	Method	GENSCAN
Start	1841	End	2108
GI	none	Score	.59
Exons	1841..2108		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o1.gs	Method	GENSCAN
Start	274	End	1858
GI	none	Score	.79
Exons	274..1158, 1232..1426, 1493..1858		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o1.np	Method	AAT/NAP
Start	445	End	1858
GI	7489034	Score	638
Exons	445..1158, 1232..1300, 1385..1426, 1532..1858		
GI Descrip.	mannan endo-1,4-beta-mannosidase (EC 3.2.1.78) - tomato gi|2655008|gb|AAB87859.1| (AF017144) (1-4)-beta-mannan endohydrolase [Lycopersicon esculentum]		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	469	End	1735
GI	none	Score	60
Exons	469..603, 577..699, 587..691, 601..900, 689..901, 931..990, 979..1164, 992..1159, 1232..1429, 1272..1427, 1532..1735, 1557..1625		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	571	End	1164
GI	none	Score	148
Exons	571..690, 712..816, 823..903, 928..987, 994..1164, 995..1156		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o1.tw	Method	TBLASTX:Wheat
Start	739	End	1132
GI	none	Score	60
Exons	739..975, 740..862, 949..987, 994..1131, 995..1132		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858

Name	OJ990826_13.0323.C9.o1.tc	Method	TBLASTX:Cress
Start	916	End	1333
GI	none	Score	119
Exons	916..984, 979..1164, 995..1159, 1214..1333		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o2.tc	Method	TBLASTX:Cress
Start	1337	End	1735
GI	none	Score	144
Exons	1337..1429, 1529..1735		

Seq. No.	41034	Seq. ID	OJ990826_13.0323.C9
Gene No.	85051	Strand	-
Start	274	End	1858
Name	OJ990826_13.0323.C9.o2.tm	Method	TBLASTX:Maize
Start	1391	End	1763
GI	none	Score	49
Exons	1391..1429, 1392..1427, 1530..1625, 1532..1738, 1533..1742, 1736..1762, 1737..1763		

Seq. No.	41035	Seq. ID	OJ990826_13.0323.C10
Gene No.	85052	Strand	+
Start	314	End	888
Name	OJ990826_13.0323.C10.o1.gs	Method	GENSCAN
Start	314	End	888
GI	none	Score	.42
Exons	314..413, 783..888		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85053	Strand	-
Start	1	End	4576
Name	OJ990826_13.0323.C11.o2.np	Method	AAT/NAP
Start	1	End	4383
GI	7295587	Score	42
Exons	1..26, 4251..4383		
GI Descrip.	(AE003571) CG1412 gene product [Drosophila melanogaster]		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85053	Strand	-
Start	1	End	4576
Name	OJ990826_13.0323.C11.o1.gp	Method	AAT/GAP
Start	1310	End	2982
GI	8163_1.R1084	Score	1200
Exons	1310..1559, 2154..2315, 2738..2982		
GI Descrip.	'5733872/gb|AAD49760.1|AC007932_8 8.0e-27 (AC007932) Similar to gi_4982048 ribosomal protein L18 from Thermotoga maritima genome gb_AE001798. ESTs gb_Z35613, gb_T75951, gb_T22182, gb_T45962, gb_H76281 and gb_AI100025 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85053	Strand	-
Start	1	End	4576
Name	OJ990826_13.0323.C11.o1.gs	Method	GENSCAN
Start	1410	End	2938

GI	none	Score	.9
Exons	1410..1559, 2154..2315, 2738..2938		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85053	Strand	-
Start	1	End	4576
Name	OJ990826_13.0323.C11.o1.np	Method	AAT/NAP
Start	1413	End	2935
GI	5733872	Score	393
Exons	1413..1559, 2154..2315, 2738..2935		
GI Descrip.	(AC007932) Similar to gi|4982048 ribosomal protein L18 from Thermotoga maritima genome gb|AE001798. ESTs gb|Z35613, gb|T75951, gb|T22182, gb|T45962, gb|H76281 and gb|AI100025 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85053	Strand	-
Start	1	End	4576
Name	OJ990826_13.0323.C11.o2.gs	Method	GENSCAN
Start	3626	End	4576
GI	none	Score	1
Exons	3626..4576		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85054	Strand	-
Start	9215	End	9734
Name	OJ990826_13.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	1347	End	2329
GI	none	Score	87
Exons	1347..1559, 1413..1550, 1423..1560, 2154..2318, 2158..2316, 2207..2329		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85054	Strand	-
Start	9215	End	9734
Name	OJ990826_13.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	1357	End	1560
GI	none	Score	274
Exons	1357..1560, 1362..1559		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85054	Strand	-
Start	9215	End	9734
Name	OJ990826_13.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	2149	End	2942
GI	none	Score	229
Exons	2149..2316, 2154..2318, 2159..2317, 2690..2785, 2736..2810, 2876..2941, 2883..2942		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85054	Strand	-
Start	9215	End	9734
Name	OJ990826_13.0323.C11.o3.gs	Method	GENSCAN
Start	9215	End	9592
GI	none	Score	.67
Exons	9215..9592		

Seq. No.	41036	Seq. ID	OJ990826_13.0323.C11
Gene No.	85054	Strand	-
Start	9215	End	9734
Name	OJ990826_13.0323.C11.o2.gp	Method	AAT/GAP
Start	9434	End	9734
GI	none	Score	586
Exons	9434..9734		

Seq. No.	41037	Seq. ID	OJ990826_13.0323.C12
Gene No.	85055	Strand	+
Start	679	End	2596
Name	OJ990826_13.0323.C12.o1.gs	Method	GENSCAN
Start	679	End	2596
GI	none	Score	.45
Exons	679..728, 1523..1649, 2486..2596		

Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85056	Strand	+
Start	1804	End	2710
Name	OJ990826_13.0323.C13.o1.gs	Method	GENSCAN
Start	1804	End	2710
GI	none	Score	.41
Exons	1804..2015, 2197..2351, 2502..2710		

Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85057	Strand	+
Start	2705	End	3146
Name	OJ990826_13.0323.C13.o1.gp	Method	AAT/GAP
Start	2705	End	3146
GI	none	Score	838
Exons	2705..3146		

Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85058	Strand	-
Start	3137	End	6529
Name	OJ990826_13.0323.C13.o1.np	Method	AAT/NAP
Start	3131	End	6529
GI	3775987	Score	1335
Exons	3131..3215, 3630..3801, 3832..3949, 4250..4345, 4622..4765, 5148..5525, 5894..6118, 6424..6529		
GI Descrip.	(AJ010457) RNA helicase [Arabidopsis thaliana]		

Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85058	Strand	-
Start	3137	End	6529
Name	OJ990826_13.0323.C13.o2.gs	Method	GENSCAN
Start	3137	End	6118
GI	none	Score	.88
Exons	3137..3237, 3630..3788, 3859..3949, 4250..4345, 4622..4765, 5148..5525, 5894..6118		

Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85058	Strand	-
Start	3137	End	6529
Name	OJ990826_13.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	3140	End	6522
GI	none	Score	40

Exons	3140..3208, 3751..3771, 3888..4019, 3905..3952, 4247..4348, 4607..4768, 4626..4766, 4637..4768, 5148..5525, 5194..5439, 5485..5523, 5891..6118, 5892..6119, 5956..6126, 6419..6466, 6421..6522		
Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85058	Strand	-
Start	3137	End	6529
Name	OJ990826_13.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	3143	End	6522
GI	none	Score	101
Exons	3143..3214, 3905..3952, 4247..4348, 4607..4723, 4620..4715, 4715..4768, 4737..4769, 5111..5284, 5137..5439, 5139..5525, 5146..5283, 5148..5525, 5891..6118, 5892..6119, 6421..6522		
Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85058	Strand	-
Start	3137	End	6529
Name	OJ990826_13.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	3649	End	6524
GI	none	Score	75
Exons	3649..3747, 3649..3717, 3685..3756, 3731..3820, 3739..3873, 3747..3950, 3894..3950, 3895..3954, 4247..4345, 4261..4341, 4586..4633, 4607..4768, 4620..4769, 4818..4859, 5144..5527, 5147..5524, 5148..5525, 5891..6118, 5895..6119, 5896..6120, 5898..6119, 6417..6518, 6421..6522, 6422..6472, 6423..6524		
Seq. No.	41038	Seq. ID	OJ990826_13.0323.C13
Gene No.	85058	Strand	-
Start	3137	End	6529
Name	OJ990826_13.0323.C13.o2.gp	Method	AAT/GAP
Start	3652	End	5936
GI	8497_1.R1084	Score	1755
Exons	3652..3949, 4250..4345, 4622..4765, 5148..5525, 5894..5936		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		
Seq. No.	41039	Seq. ID	OJ990826_13.0323.C14
Gene No.	85059	Strand	-
Start	1	End	1821
Name	OJ990826_13.0323.C14.o1.gp	Method	AAT/GAP
Start	1	End	1573
GI	286926	Score	804
Exons	1..175, 273..406, 1411..1573		
GI Descrip.	3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]		
Seq. No.	41039	Seq. ID	OJ990826_13.0323.C14
Gene No.	85059	Strand	-
Start	1	End	1821
Name	OJ990826_13.0323.C14.o1.np	Method	AAT/NAP
Start	1	End	1821
GI	3775987	Score	459
Exons	1..186, 278..406, 1411..1506, 1534..1821		
GI Descrip.	(AJ010457) RNA helicase [Arabidopsis thaliana]		

Seq. No.	41039	Seq. ID	OJ990826_13.0323.C14
Gene No.	85059	Strand	-
Start	1	End	1821
Name	OJ990826_13.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	391
GI	none	Score	174
Exons	1..99, 3..134, 9..113, 14..133, 100..177, 123..182, 255..389, 272..391		

Seq. No.	41039	Seq. ID	OJ990826_13.0323.C14
Gene No.	85059	Strand	-
Start	1	End	1821
Name	OJ990826_13.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	1410	End	1635
GI	none	Score	147
Exons	1410..1511, 1411..1512, 1588..1635		

Seq. No.	41040	Seq. ID	OJ990826_13.0323.C15
Gene No.	85060	Strand	+
Start	1	End	2571
Name	OJ990826_13.0323.C15.o1.np	Method	AAT/NAP
Start	1	End	2571
GI	6671963	Score	740
Exons	1..38, 592..665, 1813..1962, 2096..2381, 2537..2571		
GI Descrip.	(AC013454) unknown protein [Arabidopsis thaliana]		

Seq. No.	41040	Seq. ID	OJ990826_13.0323.C15
Gene No.	85060	Strand	+
Start	1	End	2571
Name	OJ990826_13.0323.C15.o1.gs	Method	GENSCAN
Start	551	End	1885
GI	none	Score	.58
Exons	551..665, 1813..1885		

Seq. No.	41040	Seq. ID	OJ990826_13.0323.C15
Gene No.	85061	Strand	-
Start	584	End	2571
Name	OJ990826_13.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	2571
GI	none	Score	69
Exons	2..40, 2..58, 577..666, 591..668, 591..665, 595..669, 1810..1962, 1814..1963, 1814..1981, 2081..2380, 2088..2381, 2095..2382, 2096..2386, 2530..2571, 2533..2571		

Seq. No.	41040	Seq. ID	OJ990826_13.0323.C15
Gene No.	85061	Strand	-
Start	584	End	2571
Name	OJ990826_13.0323.C15.o1.gp	Method	AAT/GAP
Start	584	End	670
GI	46509_1.R1084	Score	116
Exons	584..670		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	41040	Seq. ID	OJ990826_13.0323.C15

Gene No.	85061	Strand	-
Start	584	End	2571
Name	OJ990826_13.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	1660	End	2571
GI	none	Score	61
Exons	1660..1842, 1909..1962, 1910..1963, 2082..2381, 2087..2380, 2099..2383, 2530..2571		

Seq. No.	41040	Seq. ID	OJ990826_13.0323.C15
Gene No.	85061	Strand	-
Start	584	End	2571
Name	OJ990826_13.0323.C15.o1.tc	Method	TBLASTX:Cress
Start	1663	End	2383
GI	none	Score	71
Exons	1663..1857, 2141..2380, 2154..2381, 2169..2381, 2177..2383		

Seq. No.	41041	Seq. ID	OJ990426_09.0307.C4
Gene No.	85062	Strand	+
Start	116	End	366
Name	OJ990426_09.0307.C4.o1.gp	Method	AAT/GAP
Start	116	End	366
GI	LIB3475-007-P1-K1-G8	Score	460
Exons	116..366		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	41042	Seq. ID	OJ990426_09.0307.C7
Gene No.	85063	Strand	-
Start	679	End	1765
Name	OJ990426_09.0307.C7.o1.gp	Method	AAT/GAP
Start	679	End	1765
GI	22598_1.R1084	Score	1545
Exons	679..853, 942..1009, 1102..1308, 1393..1765		
GI Descrip.	'5051775/emb|CAB45068.1| 4.0e-44 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	41042	Seq. ID	OJ990426_09.0307.C7
Gene No.	85063	Strand	-
Start	679	End	1765
Name	OJ990426_09.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	1023	End	1620
GI	none	Score	98
Exons	1023..1055, 1072..1179, 1073..1198, 1074..1307, 1155..1334, 1235..1309, 1391..1609, 1392..1610, 1393..1614, 1393..1620		

Seq. No.	41042	Seq. ID	OJ990426_09.0307.C7
Gene No.	85063	Strand	-
Start	679	End	1765
Name	OJ990426_09.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	1060	End	1593
GI	none	Score	86
Exons	1060..1173, 1072..1113, 1161..1298, 1234..1311, 1235..1300, 1396..1584, 1400..1579, 1459..1593		

Seq. No.	41042	Seq. ID	OJ990426_09.0307.C7
Gene No.	85063	Strand	-

Start	679	End	1765
Name	OJ990426_09.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	1252	End	1612
GI	none	Score	216
Exons	1252..1314, 1381..1599, 1400..1612, 1406..1603		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85064	Strand	-
Start	160	End	1510
Name	OJ990426_09.0307.C8.o1.gp	Method	AAT/GAP
Start	160	End	1510
GI	70078_1.R1084	Score	838
Exons	160..235, 290..350, 1195..1510		
GI Descrip.	'5051775/emb|CAB45068.1| 7.0e-39 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85065	Strand	-
Start	1746	End	2454
Name	OJ990426_09.0307.C8.o1.tm	Method	TBLASTX:Maize
Start	145	End	1413
GI	none	Score	264
Exons	145..363, 147..368, 147..374, 1183..1326, 1189..1413, 1193..1408, 1375..1413		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85065	Strand	-
Start	1746	End	2454
Name	OJ990426_09.0307.C8.o1.tc	Method	TBLASTX:Cress
Start	150	End	1533
GI	none	Score	37
Exons	150..338, 153..188, 154..333, 213..347, 1312..1533, 1313..1528		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85065	Strand	-
Start	1746	End	2454
Name	OJ990426_09.0307.C8.o1.ts	Method	TBLASTX:Soybean
Start	150	End	1914
GI	none	Score	186
Exons	150..353, 154..351, 206..358, 1192..1290, 1286..1600, 1288..1602, 1580..1747, 1585..1755, 1876..1914		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85065	Strand	-
Start	1746	End	2454
Name	OJ990426_09.0307.C8.o1.tw	Method	TBLASTX:Wheat
Start	1384	End	1594
GI	none	Score	292
Exons	1384..1593, 1385..1594		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85065	Strand	-
Start	1746	End	2454
Name	OJ990426_09.0307.C8.o2.tc	Method	TBLASTX:Cress
Start	1576	End	1914
GI	none	Score	129
Exons	1576..1758, 1580..1750, 1879..1914		

Seq. No.	41043	Seq. ID	OJ990426_09.0307.C8
Gene No.	85065	Strand	-
Start	1746	End	2454
Name	OJ990426_09.0307.C8.o2.gp	Method	AAT/GAP
Start	1746	End	2454
GI	none	Score	1403
Exons	1746..2454		

Seq. No.	41044	Seq. ID	OJ990426_09.0307.C9
Gene No.	85066	Strand	-
Start	1306	End	1829
Name	OJ990426_09.0307.C9.o1.tw	Method	TBLASTX:Wheat
Start	1192	End	1433
GI	none	Score	202
Exons	1192..1287, 1224..1433, 1243..1431		

Seq. No.	41044	Seq. ID	OJ990426_09.0307.C9
Gene No.	85066	Strand	-
Start	1306	End	1829
Name	OJ990426_09.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	1248	End	1757
GI	none	Score	271
Exons	1248..1436, 1255..1434, 1540..1572, 1540..1572, 1677..1757, 1689..1757		

Seq. No.	41044	Seq. ID	OJ990426_09.0307.C9
Gene No.	85066	Strand	-
Start	1306	End	1829
Name	OJ990426_09.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	1248	End	1439
GI	none	Score	131
Exons	1248..1439, 1255..1434		

Seq. No.	41044	Seq. ID	OJ990426_09.0307.C9
Gene No.	85066	Strand	-
Start	1306	End	1829
Name	OJ990426_09.0307.C9.o1.tc	Method	TBLASTX:Cress
Start	1251	End	1439
GI	none	Score	146
Exons	1251..1439, 1255..1434		

Seq. No.	41044	Seq. ID	OJ990426_09.0307.C9
Gene No.	85066	Strand	-
Start	1306	End	1829
Name	OJ990426_09.0307.C9.o1.gp	Method	AAT/GAP
Start	1306	End	1829
GI	1631639	Score	528
Exons	1306..1432, 1539..1572, 1685..1829		

Seq. No.	41045	Seq. ID	OJ990426_09.0307.C12
Gene No.	85067	Strand	+
Start	554	End	656
Name	OJ990426_09.0307.C12.o1.gp	Method	AAT/GAP
Start	554	End	656
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	554..656		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85068	Strand	-
Start	1892	End	2013
Name	OJ990426_09.0307.C13.o2.tm	Method	TBLASTX:Maize
Start	730	End	1537
GI	none	Score	62
Exons	730..876, 839..940, 840..941, 840..941, 841..942, 871..942, 920..1099, 946..993, 946..1008, 998..1057, 1058..1210, 1061..1183, 1276..1305, 1307..1339, 1308..1334, 1343..1486, 1363..1455, 1376..1537		
Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85068	Strand	-
Start	1892	End	2013
Name	OJ990426_09.0307.C13.o2.tc	Method	TBLASTX:Cress
Start	840	End	1189
GI	none	Score	103
Exons	840..935, 946..1011, 1014..1052, 1058..1189		
Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85068	Strand	-
Start	1892	End	2013
Name	OJ990426_09.0307.C13.o2.ts	Method	TBLASTX:Soybean
Start	840	End	1450
GI	none	Score	110
Exons	840..935, 840..932, 940..1002, 946..993, 1014..1052, 1057..1146, 1058..1183, 1308..1334, 1397..1450		
Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85068	Strand	-
Start	1892	End	2013
Name	OJ990426_09.0307.C13.o1.gp	Method	AAT/GAP
Start	1892	End	2013
GI	1632297	Score	152
Exons	1892..2013		
Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85069	Strand	
Start	2003	End	3331
Name	OJ990426_09.0307.C13.o1.tc	Method	TBLASTX:Cress
Start	2003	End	3319
GI	none	Score	206
Exons	2003..2299, 2591..2719, 2816..2995, 2978..3187, 3212..3319		
Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85069	Strand	
Start	2003	End	3331
Name	OJ990426_09.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	2015	End	3244
GI	none	Score	125
Exons	2015..2137, 2026..2139, 2126..2191, 2182..2286, 2189..2314, 2591..2719, 2816..2965, 2972..3163, 2974..3081, 3200..3244		

Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85069	Strand	
Start	2003	End	3331
Name	OJ990426_09.0307.C13.o1.ts	Method	TBLASTX:Soybean
Start	2015	End	3331
GI	none	Score	312
Exons	2015..2299, 2038..2295, 2590..2748, 2591..2770, 2816..3331, 2980..3231		

Seq. No.	41046	Seq. ID	OJ990426_09.0307.C13
Gene No.	85069	Strand	
Start	2003	End	3331
Name	OJ990426_09.0307.C13.o1.tw	Method	TBLASTX:Wheat
Start	3004	End	3322
GI	none	Score	231
Exons	3004..3180, 3005..3181, 3196..3231, 3197..3322, 3248..3298		

Seq. No.	41047	Seq. ID	OJ990426_09.0307.C15
Gene No.	85070	Strand	+
Start	116	End	437
Name	OJ990426_09.0307.C15.o1.gp	Method	AAT/GAP
Start	116	End	437
GI	none	Score	585
Exons	116..437		

Seq. No.	41048	Seq. ID	OJ990426_09.0307.C29
Gene No.	85071	Strand	
Start	2852	End	3079
Name	OJ990426_09.0307.C29.o2.tm	Method	TBLASTX:Maize
Start	2852	End	3079
GI	none	Score	111
Exons	2852..3079, 2853..2984		

Seq. No.	41048	Seq. ID	OJ990426_09.0307.C29
Gene No.	85072	Strand	
Start	4710	End	5207
Name	OJ990426_09.0307.C29.o1.tm	Method	TBLASTX:Maize
Start	4710	End	5207
GI	none	Score	69
Exons	4710..4808, 4712..4810, 4733..4840, 4780..4911, 4789..5178, 4863..4913, 4901..5164, 4908..5207, 4924..5178		

Seq. No.	41049	Seq. ID	OJ990426_09.0307.C30
Gene No.	85073	Strand	
Start	2737	End	3079
Name	OJ990426_09.0307.C30.o1.ts	Method	TBLASTX:Soybean
Start	2737	End	3079
GI	none	Score	178
Exons	2737..3078, 2756..3079		

Seq. No.	41049	Seq. ID	OJ990426_09.0307.C30
Gene No.	85073	Strand	
Start	2737	End	3079
Name	OJ990426_09.0307.C30.o1.tc	Method	TBLASTX:Cress
Start	2773	End	3036
GI	none	Score	63
Exons	2773..2961, 2971..3036		

Seq. No.	41049	Seq. ID	OJ990426_09.0307.C30
Gene No.	85073	Strand	
Start	2737	End	3079
Name	OJ990426_09.0307.C30.o1.tm	Method	TBLASTX:Maize
Start	2776	End	3048
GI	none	Score	193
Exons	2776..3048		

Seq. No.	41050	Seq. ID	OJ990426_09.0307.C36
Gene No.	85074	Strand	+
Start	769	End	2379
Name	OJ990426_09.0307.C36.o1.gp	Method	AAT/GAP
Start	769	End	2379
GI	20862_1.R1084	Score	969
Exons	769..860, 1471..1555, 1757..1851, 2115..2379		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	41051	Seq. ID	OJ990426_09.0307.C37
Gene No.	85075	Strand	
Start	865	End	2049
Name	OJ990426_09.0307.C37.o1.tm	Method	TBLASTX:Maize
Start	865	End	2049
GI	none	Score	130
Exons	865..1035, 888..980, 889..1017, 1934..2023, 1934..2032, 1935..2033, 1936..2049		

Seq. No.	41051	Seq. ID	OJ990426_09.0307.C37
Gene No.	85076	Strand	
Start	2650	End	2964
Name	OJ990426_09.0307.C37.o2.tm	Method	TBLASTX:Maize
Start	2650	End	2964
GI	none	Score	99
Exons	2650..2742, 2652..2717, 2660..2740, 2849..2959, 2849..2959, 2850..2960, 2851..2964		

Seq. No.	41052	Seq. ID	OJ990426_09.0307.C38
Gene No.	85077	Strand	
Start	206	End	1780
Name	OJ990426_09.0307.C38.o2.tm	Method	TBLASTX:Maize
Start	206	End	860
GI	none	Score	149
Exons	206..304, 209..304, 210..308, 210..305, 211..309, 435..461, 571..693, 571..672, 575..694, 658..858, 666..860		

Seq. No.	41052	Seq. ID	OJ990426_09.0307.C38
Gene No.	85077	Strand	
Start	206	End	1780
Name	OJ990426_09.0307.C38.o1.ts	Method	TBLASTX:Soybean
Start	733	End	1432
GI	none	Score	107
Exons	733..879, 759..878, 949..1107, 963..1115, 1268..1432, 1274..1432		

Seq. No.	41052	Seq. ID	OJ990426_09.0307.C38
Gene No.	85077	Strand	

Start	206	End	1780
Name	OJ990426_09.0307.C38.o1.tm	Method	TBLASTX:Maize
Start	987	End	1780
GI	none	Score	72
Exons	987..1106, 988..1107, 988..1107, 1243..1425, 1268..1435, 1269..1448, 1274..1432, 1527..1721, 1535..1777, 1642..1746, 1745..1780		

Seq. No.	41053	Seq. ID	OJ990426_09.0307.C39
Gene No.	85078	Strand	+
Start	1735	End	2485
Name	OJ990426_09.0307.C39.o1.tm	Method	TBLASTX:Maize
Start	826	End	1915
GI	none	Score	288
Exons	826..1050, 831..1049, 851..1084, 852..1055, 1721..1915, 1728..1820, 1733..1915		

Seq. No.	41053	Seq. ID	OJ990426_09.0307.C39
Gene No.	85078	Strand	+
Start	1735	End	2485
Name	OJ990426_09.0307.C39.o1.gp	Method	AAT/GAP
Start	1735	End	2485
GI	none	Score	1332
Exons	1735..2485		

Seq. No.	41054	Seq. ID	OJ990426_09.0307.C40
Gene No.	85079	Strand	+
Start	1911	End	2027
Name	OJ990426_09.0307.C40.o1.gp	Method	AAT/GAP
Start	1911	End	2027
GI	none	Score	218
Exons	1911..2027		

Seq. No.	41055	Seq. ID	OJ990426_09.0307.C41
Gene No.	85080	Strand	+
Start	322	End	2077
Name	OJ990426_09.0307.C41.o1.gp	Method	AAT/GAP
Start	322	End	2077
GI	36132_2.R1084	Score	1474
Exons	322..480, 1210..1436, 1579..1752, 1850..2077		
GI Descrip.	'5902382/gb|AAD55484.1|AC009322_24 1.0e-29 (AC009322) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	41055	Seq. ID	OJ990426_09.0307.C41
Gene No.	85080	Strand	+
Start	322	End	2077
Name	OJ990426_09.0307.C41.o1.tm	Method	TBLASTX:Maize
Start	322	End	1947
GI	none	Score	135
Exons	322..480, 323..481, 323..481, 1215..1451, 1220..1438, 1576..1755, 1577..1750, 1578..1751, 1838..1936, 1840..1947, 1840..1938, 1848..1946		

Seq. No.	41055	Seq. ID	OJ990426_09.0307.C41
Gene No.	85080	Strand	+
Start	322	End	2077
Name	OJ990426_09.0307.C41.o1.tw	Method	TBLASTX:Wheat

Start	407	End	1755
GI	none	Score	58
Exons	407..481, 408..485, 1220..1438, 1221..1436, 1248..1442, 1255..1437, 1576..1671, 1577..1669, 1578..1670, 1708..1755, 1710..1751		

Seq. No.	41055	Seq. ID	OJ990426_09.0307.C41
Gene No.	85080	Strand	+
Start	322	End	2077
Name	OJ990426_09.0307.C41.o1.ts	Method	TBLASTX:Soybean
Start	1223	End	1937
GI	none	Score	146
Exons	1223..1417, 1284..1451, 1284..1442, 1576..1755, 1578..1754, 1838..1936, 1838..1936, 1857..1937		

Seq. No.	41055	Seq. ID	OJ990426_09.0307.C41
Gene No.	85080	Strand	+
Start	322	End	2077
Name	OJ990426_09.0307.C41.o1.tc	Method	TBLASTX:Cress
Start	1584	End	1941
GI	none	Score	186
Exons	1584..1754, 1585..1755, 1801..1941, 1838..1936		

Seq. No.	41056	Seq. ID	OJ990426_09.0307.C48
Gene No.	85081	Strand	-
Start	1254	End	1329
Name	OJ990426_09.0307.C48.o1.gp	Method	AAT/GAP
Start	1254	End	1329
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	1254..1329		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41057	Seq. ID	OJ990426_09.0307.C49
Gene No.	85082	Strand	
Start	4540	End	4826
Name	OJ990426_09.0307.C49.o1.tw	Method	TBLASTX:Wheat
Start	4540	End	4826
GI	none	Score	47
Exons	4540..4683, 4572..4631, 4607..4684, 4680..4826		

Seq. No.	41058	Seq. ID	OJ990426_09.0307.C58
Gene No.	85083	Strand	
Start	3	End	377
Name	OJ990426_09.0307.C58.o1.tm	Method	TBLASTX:Maize
Start	3	End	281
GI	none	Score	129
Exons	3..143, 23..142, 162..281, 167..271		

Seq. No.	41058	Seq. ID	OJ990426_09.0307.C58
Gene No.	85083	Strand	
Start	3	End	377
Name	OJ990426_09.0307.C58.o1.tw	Method	TBLASTX:Wheat
Start	18	End	377
GI	none	Score	313
Exons	18..377, 21..377		

Seq. No.	41058	Seq. ID	OJ990426_09.0307.C58
Gene No.	85084	Strand	
Start	479	End	751
Name	OJ990426_09.0307.C58.o2.tm	Method	TBLASTX:Maize
Start	479	End	751
GI	none	Score	152
Exons	479..658, 496..573, 503..655, 653..751		

Seq. No.	41059	Seq. ID	OJ990426_09.0307.C61
Gene No.	85085	Strand	+
Start	310	End	477
Name	OJ990426_09.0307.C61.o1.gp	Method	AAT/GAP
Start	310	End	477
GI	533_1.R1084	Score	166
Exons	310..401, 424..477		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	41060	Seq. ID	OJ990426_09.0307.C63
Gene No.	85086	Strand	-
Start	219	End	484
Name	OJ990426_09.0307.C63.o1.gp	Method	AAT/GAP
Start	219	End	484
GI	2431225	Score	500
Exons	219..484		

Seq. No.	41061	Seq. ID	OJ990426_09.0307.C79
Gene No.	85087	Strand	+
Start	281	End	516
Name	OJ990426_09.0307.C79.o1.tc	Method	TBLASTX:Cress
Start	64	End	337
GI	none	Score	98
Exons	64..156, 65..181, 188..337		

Seq. No.	41061	Seq. ID	OJ990426_09.0307.C79
Gene No.	85087	Strand	+
Start	281	End	516
Name	OJ990426_09.0307.C79.o1.gp	Method	AAT/GAP
Start	281	End	516
GI	5004456	Score	431
Exons	281..516		
GI Descrip.	2352023/gb|U93713| 6.0e-12 Cloning vector pRS400 with kanMX4 marker, complete sequence		

Seq. No.	41062	Seq. ID	OJ990426_09.0307.C80
Gene No.	85088	Strand	+
Start	138	End	911
Name	OJ990426_09.0307.C80.o1.gp	Method	AAT/GAP
Start	138	End	911
GI	31424_1.R1084	Score	1455
Exons	138..911		
GI Descrip.	'6016877/dbj|BAA85220.1| 5.0e-11 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	41062	Seq. ID	OJ990426_09.0307.C80
Gene No.	85088	Strand	+
Start	138	End	911
Name	OJ990426_09.0307.C80.o1.tm	Method	TBLASTX:Maize
Start	381	End	595
GI	none	Score	244
Exons	381..425, 432..581, 467..595, 479..592		

Seq. No.	41062	Seq. ID	OJ990426_09.0307.C80
Gene No.	85088	Strand	+
Start	138	End	911
Name	OJ990426_09.0307.C80.o1.ts	Method	TBLASTX:Soybean
Start	441	End	581
GI	none	Score	179
Exons	441..581, 482..580		

Seq. No.	41062	Seq. ID	OJ990426_09.0307.C80
Gene No.	85088	Strand	+
Start	138	End	911
Name	OJ990426_09.0307.C80.o1.tc	Method	TBLASTX:Cress
Start	444	End	581
GI	none	Score	178
Exons	444..581		

Seq. No.	41063	Seq. ID	OJ990426_09.0307.C81
Gene No.	85089	Strand	+
Start	53	End	239
Name	OJ990426_09.0307.C81.o1.gp	Method	AAT/GAP
Start	53	End	239
GI	31424_1.R1084	Score	290
Exons	53..239		
GI Descrip.	'6016877/dbj|BAA85220.1| 5.0e-11 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	41064	Seq. ID	OJ990426_09.0307.C91
Gene No.	85090	Strand	-
Start	1	End	447
Name	OJ990426_09.0307.C91.o1.gp	Method	AAT/GAP
Start	1	End	447
GI	none	Score	690
Exons	1..115, 182..447		

Seq. No.	41064	Seq. ID	OJ990426_09.0307.C91
Gene No.	85091	Strand	
Start	1031	End	2480
Name	OJ990426_09.0307.C91.o1.tc	Method	TBLASTX:Cress
Start	1031	End	2480
GI	none	Score	106
Exons	1031..1150, 1032..1151, 1296..1382, 1766..1891, 1768..1884, 1952..2020, 1966..2013, 2190..2282, 2192..2281, 2193..2282, 2364..2480, 2366..2455, 2376..2480		

Seq. No.	41064	Seq. ID	OJ990426_09.0307.C91
Gene No.	85091	Strand	
Start	1031	End	2480

Name	OJ990426_09.0307.C91.o1.tm	Method	TBLASTX:Maize
Start	1037	End	2480
GI	none	Score	133
Exons	1037..1150, 1038..1154, 1296..1382, 1313..1375, 1766..1891, 1766..1879, 1768..1884, 1952..2020, 1968..2018, 1969..2019, 2190..2282, 2191..2301, 2192..2281, 2364..2480, 2366..2461		

Seq. No.	41064	Seq. ID	OJ990426_09.0307.C91
Gene No.	85091	Strand	
Start	1031	End	2480
Name	OJ990426_09.0307.C91.o1.ts	Method	TBLASTX:Soybean
Start	1037	End	2480
GI	none	Score	112
Exons	1037..1150, 1038..1151, 1296..1382, 1766..1891, 1775..1879, 1783..1884, 1952..2020, 1966..2001, 2190..2282, 2192..2281, 2364..2480, 2366..2458		

Seq. No.	41064	Seq. ID	OJ990426_09.0307.C91
Gene No.	85091	Strand	
Start	1031	End	2480
Name	OJ990426_09.0307.C91.o1.tw	Method	TBLASTX:Wheat
Start	1769	End	2480
GI	none	Score	127
Exons	1769..1891, 1775..1879, 1792..1884, 1952..2020, 1966..2019, 2183..2281, 2190..2282, 2192..2281, 2364..2480, 2366..2461		

Seq. No.	41065	Seq. ID	OJ990426_09.0307.C93
Gene No.	85092	Strand	+
Start	4497	End	4920
Name	OJ990426_09.0307.C93.o1.tm	Method	TBLASTX:Maize
Start	693	End	1619
GI	none	Score	99
Exons	693..752, 694..759, 697..753, 698..781, 745..810, 759..809, 906..1004, 919..1005, 921..1004, 1173..1382, 1177..1332, 1178..1369, 1461..1523, 1575..1619		

Seq. No.	41065	Seq. ID	OJ990426_09.0307.C93
Gene No.	85092	Strand	+
Start	4497	End	4920
Name	OJ990426_09.0307.C93.o1.gp	Method	AAT/GAP
Start	4497	End	4920
GI	7406_1.R1084	Score	548
Exons	4497..4827, 4862..4920		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41066	Seq. ID	OJ990426_09.0307.C94
Gene No.	85093	Strand	-
Start	239	End	692
Name	OJ990426_09.0307.C94.o1.gp	Method	AAT/GAP
Start	239	End	692
GI	LIB3431-045-P1-N1-A10	Score	840
Exons	239..692		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41067	Seq. ID	OJ990426_09.0307.C95

Gene No.	85094	Strand	+
Start	347	End	498
Name	OJ990426_09.0307.C95.o1.gp	Method	AAT/GAP
Start	347	End	498
GI	7406_1.R1084	Score	223
Exons	347..498		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41067	Seq. ID	OJ990426_09.0307.C95
Gene No.	85095	Strand	-
Start	2335	End	2636
Name	OJ990426_09.0307.C95.o2.gp	Method	AAT/GAP
Start	2335	End	2636
GI	2384_1.R1084	Score	495
Exons	2335..2636		
GI Descrip.	'676884/dbj|BAA06151| 1.0e-25 (D29681) The expression is induced by Pi starvation. [Nicotiana tabacum] >gi_1094819_prf__2106387C Al-induced protein [Nicotiana tabacum]'		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85096	Strand	+
Start	1013	End	1348
Name	OJ990426_09.0307.C96.o1.gp	Method	AAT/GAP
Start	1013	End	1348
GI	2384_1.R1084	Score	633
Exons	1013..1348		
GI Descrip.	'676884/dbj|BAA06151| 1.0e-25 (D29681) The expression is induced by Pi starvation. [Nicotiana tabacum] >gi_1094819_prf__2106387C Al-induced protein [Nicotiana tabacum]'		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o5.tm	Method	TBLASTX:Maize
Start	2014	End	2261
GI	none	Score	79
Exons	2014..2079, 2015..2068, 2157..2261, 2158..2250		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o3.tm	Method	TBLASTX:Maize
Start	2777	End	4554
GI	none	Score	97
Exons	2777..2851, 2778..2855, 2912..3013, 2922..3014, 2947..3015, 3122..3226, 3143..3232, 3144..3239, 3862..3987, 3863..4009, 3863..3985, 4139..4222, 4143..4226, 4144..4215, 4148..4222, 4173..4229, 4471..4554, 4491..4553, 4495..4554		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o1.ts	Method	TBLASTX:Soybean
Start	2946	End	6875
GI	none	Score	85
Exons	2946..3014, 2948..3004, 3143..3232, 3856..3996, 3861..3983,		

3862..3987, 4144..4215, 4149..4217, 4490..4585, 4496..4579,
6777..6875, 6779..6874

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o1.tm	Method	TBLASTX:Maize
Start	6393	End	7522
GI	none	Score	66
Exons	6393..6434, 6777..6911, 6778..6909, 6779..6910, 6960..7079, 6984..7076, 6988..7080, 6989..7081, 7454..7522, 7457..7522		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o4.tm	Method	TBLASTX:Maize
Start	7888	End	8062
GI	none	Score	190
Exons	7888..8061, 7896..8060, 7937..8062		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o2.gp	Method	AAT/GAP
Start	8464	End	9045
GI	3761796	Score	854
Exons	8464..8859, 8978..9045		

Seq. No.	41068	Seq. ID	OJ990426_09.0307.C96
Gene No.	85097	Strand	-
Start	8464	End	9133
Name	OJ990426_09.0307.C96.o2.tm	Method	TBLASTX:Maize
Start	8689	End	9133
GI	none	Score	104
Exons	8689..8718, 8758..8859, 8760..8852, 8764..8859, 8972..9124, 8975..9133, 8979..9131		

Seq. No.	41069	Seq. ID	OJ990426_09.0307.C97
Gene No.	85098	Strand	-
Start	273	End	720
Name	OJ990426_09.0307.C97.o1.gp	Method	AAT/GAP
Start	273	End	720
GI	3761795	Score	583
Exons	273..391, 518..720		

Seq. No.	41069	Seq. ID	OJ990426_09.0307.C97
Gene No.	85098	Strand	-
Start	273	End	720
Name	OJ990426_09.0307.C97.o1.tm	Method	TBLASTX:Maize
Start	287	End	686
GI	none	Score	130
Exons	287..391, 288..422, 516..686, 518..682		

Seq. No.	41070	Seq. ID	OJ990426_09.0307.C117
Gene No.	85099	Strand	
Start	75	End	428
Name	OJ990426_09.0307.C117.o1.tw	Method	TBLASTX:Wheat

Start	75	End	428
GI	none	Score	189
Exons	75..428, 131..346, 153..347		

Seq. No.	41071	Seq. ID	OJ990426_09.0307.C128
Gene No.	85100	Strand	+
Start	430	End	1082
Name	OJ990426_09.0307.C128.o1.gp	Method	AAT/GAP
Start	430	End	1082
GI	23880_4.R1084	Score	103
Exons	430..465, 989..1016, 1038..1082		
GI Descrip.	'5777619/emb|CAB53480.1| 4.0e-17 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	41072	Seq. ID	OJ990426_09.0307.C130
Gene No.	85101	Strand	
Start	1266	End	1604
Name	OJ990426_09.0307.C130.o1.tm	Method	TBLASTX:Maize
Start	1266	End	1604
GI	none	Score	327
Exons	1266..1415, 1299..1604, 1457..1591		

Seq. No.	41072	Seq. ID	OJ990426_09.0307.C130
Gene No.	85101	Strand	
Start	1266	End	1604
Name	OJ990426_09.0307.C130.o1.ts	Method	TBLASTX:Soybean
Start	1302	End	1601
GI	none	Score	231
Exons	1302..1601		

Seq. No.	41072	Seq. ID	OJ990426_09.0307.C130
Gene No.	85101	Strand	
Start	1266	End	1604
Name	OJ990426_09.0307.C130.o1.tc	Method	TBLASTX:Cress
Start	1329	End	1601
GI	none	Score	184
Exons	1329..1601		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85102	Strand	
Start	1218	End	1583
Name	OJ990426_09.0307.C131.o6.tm	Method	TBLASTX:Maize
Start	1218	End	1583
GI	none	Score	194
Exons	1218..1583		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85103	Strand	
Start	2480	End	3304
Name	OJ990426_09.0307.C131.o1.tc	Method	TBLASTX:Cress
Start	2480	End	3176
GI	none	Score	37
Exons	2480..2545, 2510..2587, 2550..2720, 2639..2728, 2718..2870, 2732..2875, 2879..2968, 2904..2951, 2981..3175, 2982..3176		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85103	Strand	

Start	2480	End	3304
Name	OJ990426_09.0307.C131.o3.ts	Method	TBLASTX:Soybean
Start	2513	End	3154
GI	none	Score	69
Exons	2513..2968, 2553..2690, 2817..2960, 2993..3154		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85103	Strand	
Start	2480	End	3304
Name	OJ990426_09.0307.C131.o7.tm	Method	TBLASTX:Maize
Start	2513	End	2729
GI	none	Score	111
Exons	2513..2728, 2514..2729		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85103	Strand	
Start	2480	End	3304
Name	OJ990426_09.0307.C131.o2.tm	Method	TBLASTX:Maize
Start	2759	End	3280
GI	none	Score	147
Exons	2759..2965, 2760..2960, 2975..3280, 3008..3178		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85103	Strand	
Start	2480	End	3304
Name	OJ990426_09.0307.C131.o3.tw	Method	TBLASTX:Wheat
Start	2912	End	3304
GI	none	Score	69
Exons	2912..2965, 2981..3175, 3200..3304		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85104	Strand	
Start	3287	End	4027
Name	OJ990426_09.0307.C131.o4.tm	Method	TBLASTX:Maize
Start	3287	End	3679
GI	none	Score	65
Exons	3287..3679, 3549..3659		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85104	Strand	
Start	3287	End	4027
Name	OJ990426_09.0307.C131.o2.tw	Method	TBLASTX:Wheat
Start	3320	End	3859
GI	none	Score	81
Exons	3320..3526, 3515..3859, 3552..3704, 3729..3842		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85104	Strand	
Start	3287	End	4027
Name	OJ990426_09.0307.C131.o1.ts	Method	TBLASTX:Soybean
Start	3530	End	4027
GI	5509260	Score	136
Exons	3530..4027, 3549..3707, 3738..4025		
GI Descrip.	-		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85104	Strand	

Start	3287	End	4027
Name	OJ990426_09.0307.C131.o2.tc	Method	TBLASTX:Cress
Start	3641	End	3914
GI	none	Score	91
Exons	3641..3913, 3650..3889, 3660..3914		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85104	Strand	
Start	3287	End	4027
Name	OJ990426_09.0307.C131.o3.tm	Method	TBLASTX:Maize
Start	3680	End	4000
GI	none	Score	203
Exons	3680..4000, 3681..3998		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85105	Strand	
Start	4358	End	5218
Name	OJ990426_09.0307.C131.o2.ts	Method	TBLASTX:Soybean
Start	4358	End	4849
GI	none	Score	192
Exons	4358..4849, 4476..4844		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85105	Strand	
Start	4358	End	5218
Name	OJ990426_09.0307.C131.o3.tc	Method	TBLASTX:Cress
Start	4445	End	4858
GI	none	Score	71
Exons	4445..4858, 4632..4832		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85105	Strand	
Start	4358	End	5218
Name	OJ990426_09.0307.C131.o1.tm	Method	TBLASTX:Maize
Start	4451	End	4880
GI	none	Score	53
Exons	4451..4522, 4452..4511, 4535..4876, 4551..4880		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85105	Strand	
Start	4358	End	5218
Name	OJ990426_09.0307.C131.o1.tw	Method	TBLASTX:Wheat
Start	4523	End	5083
GI	none	Score	53
Exons	4523..4612, 4536..4613, 4619..5083, 4629..5051		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85105	Strand	
Start	4358	End	5218
Name	OJ990426_09.0307.C131.o4.ts	Method	TBLASTX:Soybean
Start	4889	End	5218
GI	none	Score	235
Exons	4889..5218, 5042..5122		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85106	Strand	
Start	5890	End	6288

Name	OJ990426_09.0307.C131.o5.tm	Method	TBLASTX:Maize
Start	5890	End	6214
GI	none	Score	59
Exons	5890..6213, 5903..6007, 6095..6214		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85106	Strand	
Start	5890	End	6288
Name	OJ990426_09.0307.C131.o4.tw	Method	TBLASTX:Wheat
Start	5908	End	6288
GI	none	Score	60
Exons	5908..6288, 6175..6261		

Seq. No.	41073	Seq. ID	OJ990426_09.0307.C131
Gene No.	85107	Strand	
Start	7254	End	7792
Name	OJ990426_09.0307.C131.o8.tm	Method	TBLASTX:Maize
Start	7254	End	7792
GI	none	Score	80
Exons	7254..7349, 7339..7398, 7390..7623, 7676..7792		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85108	Strand	+
Start	267	End	1001
Name	OJ990426_09.0307.C138.o1.gp	Method	AAT/GAP
Start	267	End	1001
GI	36398_1.R1084	Score	868
Exons	267..449, 739..1001		
GI Descrip.	'1531756/emb|CAA57810| 2.0e-16 (X82413) proline-rich-like protein [Asparagus officinalis]'		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85109	Strand	+
Start	2304	End	2879
Name	OJ990426_09.0307.C138.o2.gp	Method	AAT/GAP
Start	2304	End	2879
GI	none	Score	1064
Exons	2304..2879		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85110	Strand	-
Start	3050	End	3436
Name	OJ990426_09.0307.C138.o3.gp	Method	AAT/GAP
Start	3050	End	3436
GI	LIB3431-008-P1-K1-E9	Score	360
Exons	3050..3216, 3360..3436		
GI Descrip.	'3550982/dbj|BAA32702| 1.0e-10 (AB010690) mutM homologue-1 [Arabidopsis thaliana] >gi_5903053_gb_AAD55612.1_AC008016_22 (AC008016) Identical to gb_AB010690 mutM homologue-1 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o1.ts	Method	TBLASTX:Soybean
Start	125	End	398

GI	none	Score	333
Exons	125..397, 126..398		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o2.tm	Method	TBLASTX:Maize
Start	125	End	383
GI	none	Score	173
Exons	125..286, 126..326, 153..317, 318..383		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o2.tc	Method	TBLASTX:Cress
Start	134	End	392
GI	none	Score	326
Exons	134..388, 138..392		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o1.tm	Method	TBLASTX:Maize
Start	2982	End	3916
GI	none	Score	65
Exons	2982..3011, 3032..3091, 3039..3080, 3173..3217, 3179..3217, 3342..3461, 3349..3480, 3355..3471, 3542..3631, 3547..3642, 3548..3631, 3550..3639, 3705..3758, 3706..3813, 3707..3772, 3717..3806, 3876..3914, 3878..3916, 3878..3916		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o1.tc	Method	TBLASTX:Cress
Start	3020	End	4894
GI	none	Score	68
Exons	3020..3091, 3167..3223, 3352..3471, 3355..3462, 3388..3468, 3547..3642, 3551..3628, 3697..3750, 3717..3764, 3881..4006, 3882..4007, 4102..4176, 4107..4169, 4707..4775, 4714..4770, 4841..4894, 4842..4874		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o3.tm	Method	TBLASTX:Maize
Start	3917	End	4895
GI	none	Score	85
Exons	3917..4003, 3917..4006, 3928..4005, 3948..4007, 3949..4056, 4097..4162, 4098..4166, 4099..4164, 4707..4778, 4717..4779, 4721..4780, 4835..4894, 4842..4895, 4844..4894		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o4.gp	Method	AAT/GAP
Start	4710	End	4893
GI	LIB3431-058-P1-K1-A9	Score	152

Exons	4710..4767, 4842..4893		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	41074	Seq. ID	OJ990426_09.0307.C138
Gene No.	85111	Strand	-
Start	4710	End	4895
Name	OJ990426_09.0307.C138.o5.gp	Method	AAT/GAP
Start	4710	End	4893
GI	LIB3431-058-P1-K1-A9	Score	154
Exons	4710..4767, 4842..4893		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	41075	Seq. ID	OJ990426_09.0307.C142
Gene No.	85112	Strand	
Start	334	End	504
Name	OJ990426_09.0307.C142.o1.tm	Method	TBLASTX:Maize
Start	334	End	504
GI	none	Score	169
Exons	334..504, 352..480		

Seq. No.	41076	Seq. ID	OJ990426_09.0307.C145
Gene No.	85113	Strand	+
Start	721	End	2106
Name	OJ990426_09.0307.C145.o1.ts	Method	TBLASTX:Soybean
Start	693	End	1793
GI	none	Score	549
Exons	693..1085, 694..1086, 696..1088, 818..1087, 928..1095, 1178..1285, 1179..1283, 1186..1284, 1535..1789, 1548..1793		

Seq. No.	41076	Seq. ID	OJ990426_09.0307.C145
Gene No.	85113	Strand	+
Start	721	End	2106
Name	OJ990426_09.0307.C145.o1.tm	Method	TBLASTX:Maize
Start	694	End	1793
GI	none	Score	128
Exons	694..789, 694..1089, 696..1088, 928..1095, 1178..1285, 1179..1283, 1535..1657, 1535..1792, 1548..1793		

Seq. No.	41076	Seq. ID	OJ990426_09.0307.C145
Gene No.	85113	Strand	+
Start	721	End	2106
Name	OJ990426_09.0307.C145.o1.tc	Method	TBLASTX:Cress
Start	705	End	1652
GI	none	Score	124
Exons	705..788, 707..781, 828..932, 831..1088, 842..940, 1001..1087,		

1175..1282, 1179..1283, 1547..1651, 1548..1652

Seq. No.	41076	Seq. ID	OJ990426_09.0307.C145
Gene No.	85113	Strand	+
Start	721	End	2106
Name	OJ990426_09.0307.C145.o1.gp	Method	AAT/GAP
Start	721	End	2106
GI	82_3.R1084	Score	1972
Exons	721..1086, 1180..1281, 1549..2106		
GI Descrip.	'2244749/emb|CAB10172.1| 5.0e-61 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	41076	Seq. ID	OJ990426_09.0307.C145
Gene No.	85113	Strand	+
Start	721	End	2106
Name	OJ990426_09.0307.C145.o1.tw	Method	TBLASTX:Wheat
Start	834	End	1262
GI	none	Score	293
Exons	834..1088, 845..943, 1019..1087, 1167..1262		

Seq. No.	41077	Seq. ID	OJ990426_09.0307.C151
Gene No.	85114	Strand	
Start	352	End	798
Name	OJ990426_09.0307.C151.o1.ts	Method	TBLASTX:Soybean
Start	352	End	798
GI	none	Score	83
Exons	352..591, 660..713, 714..797, 748..798		

Seq. No.	41078	Seq. ID	OJ990426_09.0307.C152
Gene No.	85115	Strand	
Start	2531	End	2988
Name	OJ990426_09.0307.C152.o1.tw	Method	TBLASTX:Wheat
Start	2531	End	2988
GI	none	Score	57
Exons	2531..2626, 2541..2624, 2605..2658, 2649..2735, 2668..2739, 2782..2985, 2785..2889, 2787..2984, 2956..2988		

Seq. No.	41079	Seq. ID	OJ990426_09.0307.C154
Gene No.	85116	Strand	
Start	216	End	636
Name	OJ990426_09.0307.C154.o1.tw	Method	TBLASTX:Wheat
Start	216	End	636
GI	none	Score	105
Exons	216..509, 237..440, 310..501, 561..635, 562..636		

Seq. No.	41079	Seq. ID	OJ990426_09.0307.C154
Gene No.	85116	Strand	
Start	216	End	636
Name	OJ990426_09.0307.C154.o1.ts	Method	TBLASTX:Soybean
Start	231	End	561
GI	none	Score	93
Exons	231..476, 231..518, 304..561		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85117	Strand	
Start	1451	End	3209
Name	OJ990426_09.0307.C159.o2.tm	Method	TBLASTX:Maize

Start	1451	End	3209
GI	none	Score	40
Exons	1451..1474, 1547..1765, 1549..1734, 1691..1768, 3129..3209		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85117	Strand	
Start	1451	End	3209
Name	OJ990426_09.0307.C159.o3.tc	Method	TBLASTX:Cress
Start	1541	End	1744
GI	none	Score	207
Exons	1541..1744, 1549..1740		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85117	Strand	
Start	1451	End	3209
Name	OJ990426_09.0307.C159.o3.ts	Method	TBLASTX:Soybean
Start	1541	End	1809
GI	none	Score	206
Exons	1541..1765, 1549..1809		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85118	Strand	
Start	3999	End	5224
Name	OJ990426_09.0307.C159.o1.tm	Method	TBLASTX:Maize
Start	3999	End	5087
GI	none	Score	123
Exons	3999..4145, 4034..4123, 4128..4196, 4211..4294, 4443..4568, 4578..4805, 4806..5087, 4823..5035		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85118	Strand	
Start	3999	End	5224
Name	OJ990426_09.0307.C159.o4.tc	Method	TBLASTX:Cress
Start	3999	End	5087
GI	none	Score	194
Exons	3999..4229, 4061..4156, 4214..4294, 4950..5087		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85118	Strand	
Start	3999	End	5224
Name	OJ990426_09.0307.C159.o2.ts	Method	TBLASTX:Soybean
Start	4010	End	5087
GI	none	Score	240
Exons	4010..4165, 4023..4229, 4214..4303, 4443..4571, 4472..4570, 4581..4805, 4583..4729, 4806..5036, 4823..5035, 5037..5087		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85118	Strand	
Start	3999	End	5224
Name	OJ990426_09.0307.C159.o2.tw	Method	TBLASTX:Wheat
Start	4226	End	4553
GI	none	Score	89
Exons	4226..4306, 4226..4306, 4293..4316, 4422..4553, 4425..4505, 4448..4552		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85118	Strand	

Start	3999	End	5224
Name	OJ990426_09.0307.C159.o2.tc	Method	TBLASTX:Cress
Start	4491	End	4946
GI	none	Score	70
Exons	4491..4568, 4508..4567, 4574..4738, 4575..4802, 4776..4946, 4823..4945		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85118	Strand	
Start	3999	End	5224
Name	OJ990426_09.0307.C159.o1.tw	Method	TBLASTX:Wheat
Start	4847	End	5224
GI	none	Score	389
Exons	4847..5050, 4848..5186, 5042..5224, 5068..5187		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85119	Strand	
Start	6691	End	7191
Name	OJ990426_09.0307.C159.o1.tc	Method	TBLASTX:Cress
Start	6691	End	7191
GI	none	Score	167
Exons	6691..7041, 6749..7042, 7030..7191, 7047..7190		

Seq. No.	41080	Seq. ID	OJ990426_09.0307.C159
Gene No.	85119	Strand	
Start	6691	End	7191
Name	OJ990426_09.0307.C159.o1.ts	Method	TBLASTX:Soybean
Start	6691	End	7191
GI	none	Score	169
Exons	6691..7041, 6746..7042, 6997..7191, 7047..7190		

Seq. No.	41081	Seq. ID	OJ990426_09.0307.C160
Gene No.	85120	Strand	+
Start	3396	End	4335
Name	OJ990426_09.0307.C160.o2.gp	Method	AAT/GAP
Start	3396	End	4335
GI	39571_1.R1084	Score	974
Exons	3396..3662, 3861..3917, 4010..4100, 4218..4335		
GI Descrip.	'4803931/gb|AAD29804.1|AC006264_12 8.0e-31 (AC006264) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41081	Seq. ID	OJ990426_09.0307.C160
Gene No.	85121	Strand	-
Start	24	End	507
Name	OJ990426_09.0307.C160.o1.gp	Method	AAT/GAP
Start	24	End	507
GI	42536_1.R1084	Score	939
Exons	24..507		
GI Descrip.	'4589981/gb|AAD26498.1|AC007195_12 7.0e-14 (AC007195) amidophosphoribosyltransferase [Arabidopsis thaliana]'		

Seq. No.	41081	Seq. ID	OJ990426_09.0307.C160
Gene No.	85121	Strand	-
Start	24	End	507
Name	OJ990426_09.0307.C160.o2.tm	Method	TBLASTX:Maize
Start	92	End	283
GI	none	Score	86

Exons 92..211, 133..210, 143..253, 245..283

Seq. No. 41081 Seq. ID OJ990426_09.0307.C160
Gene No. 85122 Strand
Start 3550 End 4995
Name OJ990426_09.0307.C160.o3.ts Method TBLASTX:Soybean
Start 3550 End 4140
GI none Score 92
Exons 3550..3627, 3554..3631, 3857..3916, 3859..3921, 4009..4140, 4014..4100

Seq. No. 41081 Seq. ID OJ990426_09.0307.C160
Gene No. 85122 Strand
Start 3550 End 4995
Name OJ990426_09.0307.C160.o1.tm Method TBLASTX:Maize
Start 3844 End 4995
GI none Score 102
Exons 3844..3930, 3857..3916, 4009..4098, 4009..4098, 4017..4100, 4192..4377, 4212..4376, 4450..4581, 4669..4806, 4670..4807, 4883..4978, 4885..4995, 4885..4977

Seq. No. 41081 Seq. ID OJ990426_09.0307.C160
Gene No. 85122 Strand
Start 3550 End 4995
Name OJ990426_09.0307.C160.o1.tw Method TBLASTX:Wheat
Start 4002 End 4723
GI none Score 135
Exons 4002..4112, 4009..4098, 4216..4380, 4221..4391, 4453..4581, 4670..4723

Seq. No. 41081 Seq. ID OJ990426_09.0307.C160
Gene No. 85122 Strand
Start 3550 End 4995
Name OJ990426_09.0307.C160.o2.ts Method TBLASTX:Soybean
Start 4215 End 4380
GI none Score 193
Exons 4215..4379, 4216..4380

Seq. No. 41081 Seq. ID OJ990426_09.0307.C160
Gene No. 85122 Strand
Start 3550 End 4995
Name OJ990426_09.0307.C160.o1.tc Method TBLASTX:Cress
Start 4342 End 4980
GI none Score 49
Exons 4342..4377, 4428..4583, 4450..4581, 4669..4806, 4670..4807, 4675..4809, 4883..4975, 4885..4980, 4885..4980

Seq. No. 41081 Seq. ID OJ990426_09.0307.C160
Gene No. 85122 Strand
Start 3550 End 4995
Name OJ990426_09.0307.C160.o1.ts Method TBLASTX:Soybean
Start 4482 End 4978
GI none Score 104
Exons 4482..4580, 4513..4581, 4645..4800, 4670..4807, 4673..4750, 4883..4978, 4889..4978

Seq. No. 41082 Seq. ID OJ990426_09.0307.C161

Gene No.	85123	Strand	+
Start	1004	End	1521
Name	OJ990426_09.0307.C161.o1.tm	Method	TBLASTX:Maize
Start	1	End	1143
GI	none	Score	96
Exons	1..81, 2..85, 3..80, 166..297, 171..272, 985..1071, 988..1077, 1054..1143, 1060..1125		

Seq. No.	41082	Seq. ID	OJ990426_09.0307.C161
Gene No.	85123	Strand	+
Start	1004	End	1521
Name	OJ990426_09.0307.C161.o1.tc	Method	TBLASTX:Cress
Start	12	End	276
GI	none	Score	89
Exons	12..80, 14..85, 14..82, 30..137, 166..276, 171..272		

Seq. No.	41082	Seq. ID	OJ990426_09.0307.C161
Gene No.	85123	Strand	+
Start	1004	End	1521
Name	OJ990426_09.0307.C161.o1.gp	Method	AAT/GAP
Start	1004	End	1521
GI	none	Score	1012
Exons	1004..1521		

Seq. No.	41083	Seq. ID	OJ990426_09.0307.C162
Gene No.	85124	Strand	+
Start	5143	End	5759
Name	OJ990426_09.0307.C162.o1.tm	Method	TBLASTX:Maize
Start	3447	End	3725
GI	none	Score	59
Exons	3447..3650, 3574..3651, 3650..3724, 3669..3725		

Seq. No.	41083	Seq. ID	OJ990426_09.0307.C162
Gene No.	85124	Strand	+
Start	5143	End	5759
Name	OJ990426_09.0307.C162.o1.gp	Method	AAT/GAP
Start	5143	End	5753
GI	57542_1.R1084	Score	562
Exons	5143..5300, 5607..5753		
GI Descrip.	'4263509/gb|AAD15335| 1.0e-58 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41083	Seq. ID	OJ990426_09.0307.C162
Gene No.	85124	Strand	+
Start	5143	End	5759
Name	OJ990426_09.0307.C162.o2.tm	Method	TBLASTX:Maize
Start	5608	End	5759
GI	none	Score	184
Exons	5608..5751, 5610..5759, 5612..5758, 5613..5759		

Seq. No.	41084	Seq. ID	OJ990426_09.0307.C169
Gene No.	85125	Strand	
Start	1008	End	1202
Name	OJ990426_09.0307.C169.o1.tm	Method	TBLASTX:Maize
Start	1008	End	1202
GI	none	Score	225
Exons	1008..1193, 1010..1192, 1011..1202		

Seq. No.	41085	Seq. ID	OJ990426_09.0307.C174
Gene No.	85126	Strand	
Start	51	End	314
Name	OJ990426_09.0307.C174.o1.tm	Method	TBLASTX:Maize
Start	51	End	314
GI	none	Score	107
Exons	51..170, 51..173, 53..205, 171..314, 174..314		

Seq. No.	41085	Seq. ID	OJ990426_09.0307.C174
Gene No.	85127	Strand	
Start	380	End	704
Name	OJ990426_09.0307.C174.o1.ts	Method	TBLASTX:Soybean
Start	380	End	704
GI	none	Score	113
Exons	380..481, 519..704, 521..703		

Seq. No.	41086	Seq. ID	OJ990426_09.0307.C182
Gene No.	85128	Strand	
Start	49	End	2052
Name	OJ990426_09.0307.C182.o1.ts	Method	TBLASTX:Soybean
Start	49	End	2051
GI	none	Score	63
Exons	49..108, 49..153, 1371..1652, 1647..1805, 1705..1788, 1839..1985, 2016..2051		

Seq. No.	41086	Seq. ID	OJ990426_09.0307.C182
Gene No.	85128	Strand	
Start	49	End	2052
Name	OJ990426_09.0307.C182.o1.tm	Method	TBLASTX:Maize
Start	1639	End	2052
GI	none	Score	183
Exons	1639..1827, 1644..1805, 1812..2051, 1840..2052		

Seq. No.	41086	Seq. ID	OJ990426_09.0307.C182
Gene No.	85128	Strand	
Start	49	End	2052
Name	OJ990426_09.0307.C182.o1.tc	Method	TBLASTX:Cress
Start	1644	End	1982
GI	none	Score	119
Exons	1644..1793, 1827..1982		

Seq. No.	41087	Seq. ID	OJ990426_09.0307.C185
Gene No.	85129	Strand	-
Start	1629	End	1711
Name	OJ990426_09.0307.C185.o1.gp	Method	AAT/GAP
Start	1629	End	1711
GI	5867_1.R1084	Score	111
Exons	1629..1711		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	41088	Seq. ID	OJ990426_09.0307.C190
Gene No.	85130	Strand	-
Start	132	End	735
Name	OJ990426_09.0307.C190.o1.gp	Method	AAT/GAP
Start	132	End	509
GI	700067	Score	723
Exons	132..509		

Seq. No.	41088	Seq. ID	OJ990426_09.0307.C190
Gene No.	85130	Strand	-
Start	132	End	735
Name	OJ990426_09.0307.C190.o1.tm	Method	TBLASTX:Maize
Start	388	End	726
GI	none	Score	109
Exons	388..522, 398..694, 463..726		

Seq. No.	41088	Seq. ID	OJ990426_09.0307.C190
Gene No.	85130	Strand	-
Start	132	End	735
Name	OJ990426_09.0307.C190.o1.tc	Method	TBLASTX:Cress
Start	463	End	675
GI	none	Score	95
Exons	463..675, 464..583		

Seq. No.	41088	Seq. ID	OJ990426_09.0307.C190
Gene No.	85130	Strand	-
Start	132	End	735
Name	OJ990426_09.0307.C190.o1.ts	Method	TBLASTX:Soybean
Start	463	End	735
GI	none	Score	146
Exons	463..735, 467..682		

Seq. No.	41089	Seq. ID	OJ990426_09.0307.C191
Gene No.	85131	Strand	-
Start	444	End	1396
Name	OJ990426_09.0307.C191.o1.tm	Method	TBLASTX:Maize
Start	411	End	1129
GI	none	Score	82
Exons	411..497, 445..498, 445..504, 450..500, 885..980, 885..929, 886..984, 914..961, 1058..1126, 1079..1129		

Seq. No.	41089	Seq. ID	OJ990426_09.0307.C191
Gene No.	85131	Strand	-
Start	444	End	1396
Name	OJ990426_09.0307.C191.o1.gp	Method	AAT/GAP
Start	444	End	1396
GI	66948_1.R1084	Score	837
Exons	444..498, 886..981, 1083..1396		
GI Descrip.	'4539340/emb|CAB37488.1| 2.0e-11 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	41089	Seq. ID	OJ990426_09.0307.C191
Gene No.	85131	Strand	-
Start	444	End	1396
Name	OJ990426_09.0307.C191.o1.ts	Method	TBLASTX:Soybean
Start	1037	End	1225
GI	none	Score	63

Exons	1037..1156, 1077..1202, 1079..1225, 1083..1160		
Seq. No.	41090	Seq. ID	OJ990426_09.0307.C192
Gene No.	85132	Strand	
Start	1	End	285
Name	OJ990426_09.0307.C192.o1.ts	Method	TBLASTX:Soybean
Start	1	End	285
GI	none	Score	193
Exons	1..198, 6..179, 190..285		
Seq. No.	41090	Seq. ID	OJ990426_09.0307.C192
Gene No.	85132	Strand	
Start	1	End	285
Name	OJ990426_09.0307.C192.o1.tc	Method	TBLASTX:Cress
Start	6	End	206
GI	none	Score	194
Exons	6..206, 7..198		
Seq. No.	41090	Seq. ID	OJ990426_09.0307.C192
Gene No.	85132	Strand	
Start	1	End	285
Name	OJ990426_09.0307.C192.o1.tm	Method	TBLASTX:Maize
Start	6	End	213
GI	none	Score	202
Exons	6..188, 7..213		
Seq. No.	41090	Seq. ID	OJ990426_09.0307.C192
Gene No.	85132	Strand	
Start	1	End	285
Name	OJ990426_09.0307.C192.o1.tw	Method	TBLASTX:Wheat
Start	6	End	267
GI	none	Score	220
Exons	6..191, 7..189, 190..267		
Seq. No.	41091	Seq. ID	OJ990426_09.0307.C196
Gene No.	85133	Strand	-
Start	679	End	747
Name	OJ990426_09.0307.C196.o1.gp	Method	AAT/GAP
Start	679	End	747
GI	LIB3475-012-P1-K1-B11	Score	134
Exons	679..747		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-29 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	41092	Seq. ID	OJ990426_09.0307.C199
Gene No.	85134	Strand	-
Start	1130	End	1256
Name	OJ990426_09.0307.C199.o1.gp	Method	AAT/GAP
Start	1130	End	1256
GI	20680_1.R1084	Score	220
Exons	1130..1256		
GI Descrip.	'1854378/dbj|BAA19242| 5.0e-75 (AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]'		
Seq. No.	41093	Seq. ID	OJ990426_09.0307.C202
Gene No.	85135	Strand	
Start	138	End	551

Name	OJ990426_09.0307.C202.o1.tc	Method	TBLASTX:Cress
Start	138	End	551
GI	none	Score	55
Exons	138..425, 483..551		

Seq. No.	41093	Seq. ID	OJ990426_09.0307.C202
Gene No.	85135	Strand	
Start	138	End	551
Name	OJ990426_09.0307.C202.o1.ts	Method	TBLASTX:Soybean
Start	138	End	536
GI	none	Score	91
Exons	138..425, 477..536		

Seq. No.	41093	Seq. ID	OJ990426_09.0307.C202
Gene No.	85135	Strand	
Start	138	End	551
Name	OJ990426_09.0307.C202.o1.tm	Method	TBLASTX:Maize
Start	138	End	536
GI	none	Score	150
Exons	138..413, 157..408, 483..536,	484..534	

Seq. No.	41094	Seq. ID	OJ990426_09.0307.C206
Gene No.	85136	Strand	
Start	272	End	878
Name	OJ990426_09.0307.C206.o2.tw	Method	TBLASTX:Wheat
Start	272	End	535
GI	none	Score	49
Exons	272..346, 293..337, 350..535,	360..494	

Seq. No.	41094	Seq. ID	OJ990426_09.0307.C206
Gene No.	85136	Strand	
Start	272	End	878
Name	OJ990426_09.0307.C206.o1.tc	Method	TBLASTX:Cress
Start	350	End	878
GI	none	Score	99
Exons	350..871, 369..491, 677..829,	771..878	

Seq. No.	41094	Seq. ID	OJ990426_09.0307.C206
Gene No.	85136	Strand	
Start	272	End	878
Name	OJ990426_09.0307.C206.o1.ts	Method	TBLASTX:Soybean
Start	351	End	871
GI	none	Score	109
Exons	351..491, 365..643, 422..580,	637..690,	668..871, 686..871

Seq. No.	41094	Seq. ID	OJ990426_09.0307.C206
Gene No.	85136	Strand	
Start	272	End	878
Name	OJ990426_09.0307.C206.o1.tm	Method	TBLASTX:Maize
Start	422	End	872
GI	none	Score	284
Exons	422..643, 423..872, 532..870,	686..871	

Seq. No.	41094	Seq. ID	OJ990426_09.0307.C206
Gene No.	85136	Strand	
Start	272	End	878
Name	OJ990426_09.0307.C206.o1.tw	Method	TBLASTX:Wheat

Start	566	End	878
GI	none	Score	158
Exons	566..877, 567..878		

Seq. No.	41095	Seq. ID	OJ990426_09.0307.C209
Gene No.	85137	Strand	+
Start	2520	End	2819
Name	OJ990426_09.0307.C209.o1.tm	Method	TBLASTX:Maize
Start	825	End	1130
GI	none	Score	60
Exons	825..896, 826..897, 835..897, 892..966, 913..942, 980..1051, 980..1120, 981..1121, 981..1130		

Seq. No.	41095	Seq. ID	OJ990426_09.0307.C209
Gene No.	85137	Strand	+
Start	2520	End	2819
Name	OJ990426_09.0307.C209.o1.gp	Method	AAT/GAP
Start	2520	End	2819
GI	3133_1.R1084	Score	532
Exons	2520..2819		
GI Descrip.	'5903092/gb|AAD55650.1|AC008017_23 8.0e-76 (AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]'		

Seq. No.	41096	Seq. ID	OJ990426_09.0307.C210
Gene No.	85138	Strand	+
Start	963	End	1726
Name	OJ990426_09.0307.C210.o1.gp	Method	AAT/GAP
Start	963	End	1726
GI	3133_1.R1084	Score	1435
Exons	963..1726		
GI Descrip.	'5903092/gb|AAD55650.1|AC008017_23 8.0e-76 (AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]'		

Seq. No.	41096	Seq. ID	OJ990426_09.0307.C210
Gene No.	85138	Strand	+
Start	963	End	1726
Name	OJ990426_09.0307.C210.o1.tm	Method	TBLASTX:Maize
Start	974	End	1615
GI	none	Score	68
Exons	974..1054, 974..1033, 1010..1141, 1038..1142, 1079..1462, 1080..1610, 1520..1615		

Seq. No.	41096	Seq. ID	OJ990426_09.0307.C210
Gene No.	85138	Strand	+
Start	963	End	1726
Name	OJ990426_09.0307.C210.o1.tc	Method	TBLASTX:Cress
Start	980	End	1598
GI	none	Score	61
Exons	980..1033, 1043..1141, 1079..1462, 1083..1598, 1520..1597		

Seq. No.	41096	Seq. ID	OJ990426_09.0307.C210
Gene No.	85138	Strand	+
Start	963	End	1726
Name	OJ990426_09.0307.C210.o1.ts	Method	TBLASTX:Soybean
Start	980	End	1612
GI	none	Score	106
Exons	980..1033, 1064..1141, 1065..1142, 1079..1180, 1080..1181,		

1181..1363, 1182..1349, 1214..1351, 1364..1420, 1398..1421, 1421..1462, 1422..1607, 1520..1612

Seq. No.	41096	Seq. ID	OJ990426_09.0307.C210
Gene No.	85138	Strand	+
Start	963	End	1726
Name	OJ990426_09.0307.C210.o1.tw	Method	TBLASTX:Wheat
Start	1302	End	1607
GI	none	Score	285
Exons	1302..1607, 1302..1343, 1304..1462, 1520..1606		

Seq. No.	41097	Seq. ID	OJ990426_09.0307.C221
Gene No.	85139	Strand	
Start	81	End	726
Name	OJ990426_09.0307.C221.o1.ts	Method	TBLASTX:Soybean
Start	81	End	714
GI	none	Score	607
Exons	81..713, 121..714		

Seq. No.	41097	Seq. ID	OJ990426_09.0307.C221
Gene No.	85139	Strand	
Start	81	End	726
Name	OJ990426_09.0307.C221.o1.tm	Method	TBLASTX:Maize
Start	120	End	711
GI	none	Score	103
Exons	120..242, 121..252, 253..711, 297..701		

Seq. No.	41097	Seq. ID	OJ990426_09.0307.C221
Gene No.	85139	Strand	
Start	81	End	726
Name	OJ990426_09.0307.C221.o1.tw	Method	TBLASTX:Wheat
Start	120	End	429
GI	none	Score	354
Exons	120..428, 121..429, 283..429		

Seq. No.	41097	Seq. ID	OJ990426_09.0307.C221
Gene No.	85139	Strand	
Start	81	End	726
Name	OJ990426_09.0307.C221.o1.tc	Method	TBLASTX:Cress
Start	136	End	720
GI	none	Score	503
Exons	136..720, 189..635		

Seq. No.	41097	Seq. ID	OJ990426_09.0307.C221
Gene No.	85139	Strand	
Start	81	End	726
Name	OJ990426_09.0307.C221.o2.tw	Method	TBLASTX:Wheat
Start	456	End	726
GI	none	Score	313
Exons	456..725, 457..726		

Seq. No.	41098	Seq. ID	OJ990616_03.0307.C9
Gene No.	85140	Strand	
Start	75	End	1054
Name	OJ990616_03.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	75	End	1054
GI	none	Score	76

Exons	75..152, 77..148, 151..1053, 161..1054		
Seq. No.	41098	Seq. ID	OJ990616_03.0307.C9
Gene No.	85140	Strand	
Start	75	End	1054
Name	OJ990616_03.0307.C9.o2.ts	Method	TBLASTX:Soybean
Start	75	End	399
GI	none	Score	50
Exons	75..134, 77..145, 151..399, 167..397		
Seq. No.	41098	Seq. ID	OJ990616_03.0307.C9
Gene No.	85140	Strand	
Start	75	End	1054
Name	OJ990616_03.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	400	End	1053
GI	none	Score	207
Exons	400..630, 401..610, 401..631, 402..611, 607..1053, 635..1039, 910..1053		
Seq. No.	41099	Seq. ID	OJ990616_03.0307.C22
Gene No.	85141	Strand	
Start	202	End	564
Name	OJ990616_03.0307.C22.o1.tc	Method	TBLASTX:Cress
Start	202	End	564
GI	none	Score	464
Exons	202..564, 267..554		
Seq. No.	41100	Seq. ID	OJ990616_03.0307.C23
Gene No.	85142	Strand	-
Start	56	End	463
Name	OJ990616_03.0307.C23.o1.gp	Method	AAT/GAP
Start	56	End	265
GI	9604_1.R1084	Score	285
Exons	56..265		
GI Descrip.	'5922612/dbj|BAA84613.1| 6.0e-33 (AP000492) EST AU078118(E3904) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana BAC IG002P16; No definition line found. (AF007270) [Oryza sativa]'		
Seq. No.	41100	Seq. ID	OJ990616_03.0307.C23
Gene No.	85142	Strand	-
Start	56	End	463
Name	OJ990616_03.0307.C23.o1.ts	Method	TBLASTX:Soybean
Start	99	End	463
GI	none	Score	102
Exons	99..230, 100..225, 216..275, 230..274, 365..463		
Seq. No.	41101	Seq. ID	OJ990616_03.0307.C29
Gene No.	85143	Strand	-
Start	839	End	1016
Name	OJ990616_03.0307.C29.o1.gp	Method	AAT/GAP
Start	839	End	1016
GI	none	Score	317
Exons	839..1016		
Seq. No.	41102	Seq. ID	OJ990616_03.0307.C72
Gene No.	85144	Strand	

Start	1	End	430
Name	OJ990616_03.0307.C72.o1.tm	Method	TBLASTX:Maize
Start	1	End	397
GI	none	Score	155
Exons	1..129, 3..128, 131..295, 132..338, 281..397, 298..396		

Seq. No.	41102	Seq. ID	OJ990616_03.0307.C72
Gene No.	85144	Strand	
Start	1	End	430
Name	OJ990616_03.0307.C72.o1.ts	Method	TBLASTX:Soybean
Start	1	End	397
GI	none	Score	113
Exons	1..126, 4..135, 129..296, 132..275, 134..295, 278..397, 319..393		

Seq. No.	41102	Seq. ID	OJ990616_03.0307.C72
Gene No.	85144	Strand	
Start	1	End	430
Name	OJ990616_03.0307.C72.o1.tc	Method	TBLASTX:Cress
Start	16	End	396
GI	none	Score	54
Exons	16..129, 132..299, 134..265, 278..394, 301..396		

Seq. No.	41102	Seq. ID	OJ990616_03.0307.C72
Gene No.	85144	Strand	
Start	1	End	430
Name	OJ990616_03.0307.C72.o1.tw	Method	TBLASTX:Wheat
Start	51	End	430
GI	none	Score	69
Exons	51..128, 52..129, 132..308, 134..295, 279..404, 281..430, 301..405		

Seq. No.	41103	Seq. ID	OJ990616_03.0307.C73
Gene No.	85145	Strand	+
Start	785	End	836
Name	OJ990616_03.0307.C73.o1.gp	Method	AAT/GAP
Start	785	End	836
GI	uC-osflcyp174c09b1	Score	78
Exons	785..836		
GI Descrip.	'480737/pir||S37224 4.0e-42 triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco >gi_629694_pir__S42583 phosphate translocator - common tobacco >gi_403023_emb_CAA52979.1_ (X75088) phosphate translocator [Nicotiana tabacum]'		

Seq. No.	41104	Seq. ID	OJ990616_03.0307.C76
Gene No.	85146	Strand	
Start	668	End	961
Name	OJ990616_03.0307.C76.o1.tc	Method	TBLASTX:Cress
Start	668	End	961
GI	none	Score	71
Exons	668..754, 669..749, 845..961, 846..959		

Seq. No.	41104	Seq. ID	OJ990616_03.0307.C76
Gene No.	85146	Strand	
Start	668	End	961
Name	OJ990616_03.0307.C76.o1.tm	Method	TBLASTX:Maize
Start	668	End	959

GI	none	Score	114
Exons	668..754, 672..749, 845..958, 846..959		

Seq. No.	41104	Seq. ID	OJ990616_03.0307.C76
Gene No.	85146	Strand	
Start	668	End	961
Name	OJ990616_03.0307.C76.o1.ts	Method	TBLASTX:Soybean
Start	668	End	959
GI	none	Score	61
Exons	668..754, 672..749, 845..958, 846..959		

Seq. No.	41105	Seq. ID	OJ990616_03.0307.C78
Gene No.	85147	Strand	
Start	112	End	373
Name	OJ990616_03.0307.C78.o1.tm	Method	TBLASTX:Maize
Start	112	End	373
GI	none	Score	109
Exons	112..192, 120..200, 126..194, 151..204, 294..365, 300..356, 301..372, 302..373		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85148	Strand	-
Start	249	End	5618
Name	OJ991117_14.0410.C2.o1.gs	Method	GENSCAN
Start	249	End	5516
GI	none	Score	.86
Exons	249..356, 987..1193, 1286..1379, 1476..1649, 2383..2483, 2772..3083, 3155..3379, 3516..3674, 4172..4260, 4365..4440, 5133..5516		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85148	Strand	-
Start	249	End	5618
Name	OJ991117_14.0410.C2.o1.gp	Method	AAT/GAP
Start	2203	End	5618
GI	7710_1.R1084	Score	3083
Exons	2203..2483, 2772..3083, 3155..3379, 3516..3674, 3751..3805, 3895..4058, 4172..4260, 4365..4440, 5055..5618		
GI Descrip.	'231587/sp|Q01859|ATP2_ORYSA 0.0e+00 ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR >gi_283001_pir__S25304 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - rice >gi_218147_dbj_BAA01372_ (D10491) mitochondrial F1-ATPase [Oryza sativa]'		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85148	Strand	-
Start	249	End	5618
Name	OJ991117_14.0410.C2.o2.np	Method	AAT/NAP
Start	2373	End	5516
GI	231587	Score	2415
Exons	2373..2483, 2772..3083, 3155..3379, 3516..3674, 3751..3854, 3941..4058, 4172..4260, 4365..4440, 5055..5516		
GI Descrip.	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR gi|283001|pir||S25304 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - rice gi|218147|dbj|BAA01372.1| (D10491) mitochondrial F1-ATPase [Oryza sativa]		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o3.tm	Method	TBLASTX:Maize
Start	157	End	315
GI	none	Score	157
Exons	157..315, 159..311		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	279	End	1333
GI	none	Score	70
Exons	279..359, 987..1199, 1000..1191, 1283..1333		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o2.tc	Method	TBLASTX:Cress
Start	996	End	1351
GI	none	Score	42
Exons	996..1199, 1286..1351		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	999	End	1321
GI	none	Score	42
Exons	999..1199, 1283..1321		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o3.tw	Method	TBLASTX:Wheat
Start	1744	End	3579
GI	none	Score	147
Exons	1744..1800, 3254..3418, 3255..3383, 3468..3578, 3516..3578, 3517..3579		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	2361	End	5522
GI	none	Score	176
Exons	2361..2486, 2371..2484, 2438..2518, 2737..3096, 2770..3093, 2771..3115, 2772..3098, 3150..3380, 3152..3418, 3193..3381, 3473..3583, 3512..3679, 3516..3677, 3520..3726, 3751..3804, 3756..3803, 3939..4043, 3940..4059, 4169..4264, 4170..4259, 4172..4264, 4345..4464, 4361..4483, 5052..5306, 5053..5313, 5391..5426, 5392..5424, 5484..5522		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-

Start	6310	End	6515
Name	OJ991117_14.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	2377	End	5313
GI	none	Score	41
Exons	2377..2409, 2404..2484, 2404..2472, 2424..2486, 2737..3096, 2772..3098, 3150..3380, 3152..3418, 3516..3677, 3516..3677, 3520..3678, 3520..3678, 3751..3804, 3751..3804, 3752..3805, 3939..4043, 3940..4059, 4001..4060, 4169..4264, 4170..4247, 4345..4464, 4358..4483, 5052..5306, 5053..5313		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	2386	End	5313
GI	none	Score	105
Exons	2386..2484, 2391..2486, 2424..2486, 2737..3096, 2770..3096, 2772..3098, 3170..3418, 3171..3383, 3193..3384, 3511..3678, 3516..3677, 3751..3804, 3752..3805, 3939..4043, 3940..4059, 4169..4264, 4170..4247, 4345..4440, 4358..4441, 5052..5225, 5053..5226, 5223..5303, 5224..5313		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	2425	End	3095
GI	none	Score	78
Exons	2425..2484, 2427..2486, 2752..3093, 2772..3095		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o2.tw	Method	TBLASTX:Wheat
Start	3580	End	5115
GI	none	Score	158
Exons	3580..3678, 3582..3677, 3749..3793, 3750..3794, 3751..3804, 3752..3805, 3939..4043, 3940..4059, 3943..4059, 4169..4264, 4170..4250, 4172..4264, 4337..4438, 4345..4464, 4365..4436, 4366..4440, 5052..5114, 5052..5114, 5053..5115		

Seq. No.	41106	Seq. ID	OJ991117_14.0410.C2
Gene No.	85149	Strand	-
Start	6310	End	6515
Name	OJ991117_14.0410.C2.o2.gs	Method	GENSCAN
Start	6310	End	6515
GI	none	Score	.45
Exons	6310..6378, 6480..6515		

Seq. No.	41107	Seq. ID	OJ991117_14.0410.C3
Gene No.	85150	Strand	+
Start	350	End	1375
Name	OJ991117_14.0410.C3.o1.gs	Method	GENSCAN
Start	350	End	1375
GI	none	Score	.69
Exons	350..670, 796..916, 1173..1252, 1364..1375		

Seq. No.	41107	Seq. ID	OJ991117_14.0410.C3
Gene No.	85151	Strand	-
Start	3700	End	3879
Name	OJ991117_14.0410.C3.o2.gs	Method	GENSCAN
Start	3700	End	3879
GI	none	Score	.97
Exons	3700..3879		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85152	Strand	+
Start	8654	End	8932
Name	OJ991117_14.0410.C4.o2.np	Method	AAT/NAP
Start	8654	End	8932
GI	5777617	Score	87
Exons	8654..8932		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85153	Strand	-
Start	4055	End	6598
Name	OJ991117_14.0410.C4.o1.np	Method	AAT/NAP
Start	4055	End	6598
GI	3941448	Score	459
Exons	4055..4082, 6025..6137, 6230..6359, 6463..6598		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85154	Strand	-
Start	7601	End	9228
Name	OJ991117_14.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	6008	End	6604
GI	none	Score	102
Exons	6008..6142, 6048..6140, 6227..6307, 6229..6363, 6449..6604, 6450..6599		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85154	Strand	-
Start	7601	End	9228
Name	OJ991117_14.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	6047	End	6604
GI	none	Score	97
Exons	6047..6142, 6048..6137, 6229..6360, 6449..6604, 6450..6602		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85154	Strand	-
Start	7601	End	9228
Name	OJ991117_14.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	6054	End	6599
GI	none	Score	80
Exons	6054..6140, 6056..6139, 6227..6307, 6229..6381, 6450..6494, 6494..6598, 6495..6599		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85154	Strand	-
Start	7601	End	9228
Name	OJ991117_14.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	6065	End	6599

GI	none	Score	84
Exons	6065..6142, 6066..6140, 6224..6343, 6227..6307, 6229..6360, 6449..6598, 6450..6599		

Seq. No.	41108	Seq. ID	OJ991117_14.0410.C4
Gene No.	85154	Strand	-
Start	7601	End	9228
Name	OJ991117_14.0410.C4.o2.gs	Method	GENSCAN
Start	7601	End	9228
GI	none	Score	.54
Exons	7601..7659, 7769..7882, 9081..9228		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85155	Strand	+
Start	260	End	9149
Name	OJ991117_14.0410.C5.o1.gs	Method	GENSCAN
Start	260	End	9149
GI	none	Score	.79
Exons	260..1130, 1169..1509, 1611..1739, 2611..2776, 2857..2904, 3469..3554, 3665..3733, 3829..3873, 3977..4039, 4128..4204, 4529..4580, 5285..5642, 7613..7728, 7919..8237, 8354..8421, 8646..9149		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85155	Strand	+
Start	260	End	9149
Name	OJ991117_14.0410.C5.o1.gp	Method	AAT/GAP
Start	1229	End	1723
GI	none	Score	699
Exons	1229..1509, 1611..1723		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85155	Strand	+
Start	260	End	9149
Name	OJ991117_14.0410.C5.o1.np	Method	AAT/NAP
Start	1354	End	4214
GI	6682251	Score	696
Exons	1354..1509, 1611..1739, 2611..2772, 3468..3554, 3665..3733, 3829..3873, 3977..4039, 4128..4214		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85155	Strand	+
Start	260	End	9149
Name	OJ991117_14.0410.C5.o2.gp	Method	AAT/GAP
Start	3963	End	4724
GI	none	Score	804
Exons	3963..4039, 4128..4204, 4405..4724		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85155	Strand	+
Start	260	End	9149
Name	OJ991117_14.0410.C5.o2.np	Method	AAT/NAP
Start	5567	End	9056
GI	6069498	Score	625
Exons	5567..5642, 7613..7728, 7919..8253, 9020..9056		
GI Descrip.	(AB022075) S-locus protein 7 [Brassica rapa]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85155	Strand	+
Start	260	End	9149
Name	OJ991117_14.0410.C5.o3.gp	Method	AAT/GAP
Start	8617	End	9082
GI	none	Score	912
Exons	8617..9082		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85156	Strand	+
Start	9583	End	10093
Name	OJ991117_14.0410.C5.o4.gp	Method	AAT/GAP
Start	9583	End	10093
GI	uC-osflm202100a03b1	Score	955
Exons	9583..10093		
GI Descrip.	'3337367 6.0e-12 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85157	Strand	+
Start	13321	End	17726
Name	OJ991117_14.0410.C5.o3.np	Method	AAT/NAP
Start	13216	End	16584
GI	6714322	Score	1107
Exons	13216..13470, 14177..14721, 14832..14918, 15011..15067, 15158..15396, 16189..16394, 16507..16584		
GI Descrip.	(AC016972) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85157	Strand	+
Start	13321	End	17726
Name	OJ991117_14.0410.C5.o5.gp	Method	AAT/GAP
Start	13289	End	14577
GI	3106747	Score	634
Exons	13289..13472, 14180..14577		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85157	Strand	+
Start	13321	End	17726
Name	OJ991117_14.0410.C5.o3.gs	Method	GENSCAN
Start	13321	End	17726
GI	none	Score	.45
Exons	13321..13470, 14873..14918, 15277..15396, 16189..16394, 16507..16584, 17670..17726		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85157	Strand	+
Start	13321	End	17726
Name	OJ991117_14.0410.C5.o6.gp	Method	AAT/GAP
Start	14459	End	15600
GI	24060_1.R1084	Score	1581
Exons	14459..14721, 14832..14918, 15011..15067, 15158..15600		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5

Gene No.	85157	Strand	+
Start	13321	End	17726
Name	OJ991117_14.0410.C5.o7.gp	Method	AAT/GAP
Start	16237	End	16893
GI	5055947	Score	1274
Exons	16237..16893		
GI Descrip.	3337367 6.0e-12 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85158	Strand	+
Start	22356	End	27431
Name	OJ991117_14.0410.C5.o6.gs	Method	GENSCAN
Start	22356	End	27408
GI	none	Score	.55
Exons	22356..22544, 23087..23230, 23495..23859, 24050..24289, 25005..25070, 25705..25795, 26173..26353, 27317..27408		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85158	Strand	+
Start	22356	End	27431
Name	OJ991117_14.0410.C5.o5.np	Method	AAT/NAP
Start	24128	End	27431
GI	5103809	Score	842
Exons	24128..24289, 25005..25070, 25251..25310, 25705..25795, 26173..26227, 26317..26396, 26507..26623, 26706..26790, 27317..27431		
GI Descrip.	(AC007591) Similar to gb|AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb|N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85158	Strand	+
Start	22356	End	27431
Name	OJ991117_14.0410.C5.o8.gp	Method	AAT/GAP
Start	26750	End	27410
GI	2431498	Score	225
Exons	26750..26790, 27317..27410		
GI Descrip.	5103809/gb|AAD39639.1|AC007591_4 7.0e-45 (AC007591) Similar to gb_AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb_N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85159	Strand	-
Start	9819	End	11140
Name	OJ991117_14.0410.C5.o2.gs	Method	GENSCAN
Start	9819	End	11140
GI	none	Score	.47
Exons	9819..9918, 10375..10394, 10922..11140		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	1348	End	4210
GI	none	Score	241
Exons	1348..1509, 1353..1508, 1609..1641, 1611..1751, 1612..1677,		

1649..1741, 2602..2715, 2605..2700, 2609..2701, 2610..2717,
2698..2775, 2708..2767, 2709..2768, 3467..3556, 3468..3554,
3468..3560, 3469..3555, 3469..3564, 3654..3734, 3662..3733,
3823..3876, 3823..3876, 3957..4037, 3976..4038, 3976..4059,
3977..4060, 4124..4204, 4125..4202, 4125..4205, 4132..4203,
4139..4210

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	1350	End	4202
GI	none	Score	186
Exons	1350..1484, 1351..1509, 1599..1703, 1695..1757, 2602..2757, 2610..2699, 3465..3554, 3467..3556, 3653..3733, 3654..3734, 3706..3735, 3815..3862, 3823..3876, 3823..3876, 3827..3892, 3970..4032, 3974..4090, 3977..4060, 4125..4202, 4127..4192		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	1353	End	4202
GI	none	Score	178
Exons	1353..1493, 1354..1509, 1602..1703, 1652..1705, 1697..1741, 1701..1751, 2602..2715, 2610..2708, 3428..3556, 3465..3554, 3466..3564, 3662..3733, 3662..3733, 3823..3876, 3823..3876, 3970..4032, 3977..4060, 4125..4202, 4127..4198		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	1514	End	16396
GI	none	Score	67
Exons	1514..1585, 14177..14710, 14329..14571, 14836..14916, 15135..15398, 16179..16358, 16184..16396		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	5533	End	8266
GI	none	Score	104
Exons	5533..5595, 5533..5640, 5543..5641, 7611..7721, 7618..7719, 7914..8168, 7918..8169, 7919..8200, 7936..8190, 8179..8220, 8180..8221, 8234..8266		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o6.tm	Method	TBLASTX:Maize
Start	13178	End	13473
GI	none	Score	191
Exons	13178..13195, 13276..13473, 13296..13469		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5

Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o3.ts	Method	TBLASTX:Soybean
Start	14177	End	14916
GI	none	Score	345
Exons	14177..14710, 14308..14754, 14832..14915, 14836..14916		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o2.tc	Method	TBLASTX:Cress
Start	14267	End	14644
GI	none	Score	337
Exons	14267..14644, 14293..14643		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	14539	End	15206
GI	none	Score	132
Exons	14539..14709, 14540..14710, 14821..14916, 14832..14915, 15008..15067, 15009..15062, 15140..15205, 15156..15206		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o3.tc	Method	TBLASTX:Cress
Start	14684	End	15398
GI	none	Score	37
Exons	14684..14710, 14821..14916, 14832..14915, 15012..15065, 15155..15244, 15156..15398, 15290..15397		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o4.tc	Method	TBLASTX:Cress
Start	16155	End	16397
GI	none	Score	253
Exons	16155..16397, 16160..16384		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o5.ts	Method	TBLASTX:Soybean
Start	16179	End	16385
GI	none	Score	212
Exons	16179..16385, 16184..16324		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	19069	End	19303
GI	none	Score	144
Exons	19069..19302, 19079..19303		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o4.ts	Method	TBLASTX:Soybean
Start	19081	End	19581
GI	none	Score	101
Exons	19081..19302, 19088..19303, 19474..19518, 19510..19581		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o4.gs	Method	GENSCAN
Start	19084	End	19680
GI	none	Score	.99
Exons	19084..19680		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o5.tc	Method	TBLASTX:Cress
Start	19084	End	19299
GI	none	Score	69
Exons	19084..19299, 19088..19159		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o4.np	Method	AAT/NAP
Start	19087	End	20447
GI	2194123	Score	419
Exons	19087..19645, 20383..20447		
GI Descrip.	(AC002062) Similar to Secale chloroplast ribosomal protein L12 (gb|SCL121A). EST gb|H36579 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85160	Strand	-
Start	19084	End	20648
Name	OJ991117_14.0410.C5.o5.gs	Method	GENSCAN
Start	20059	End	20648
GI	none	Score	.63
Exons	20059..20081, 20531..20648		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5
Gene No.	85161	Strand	
Start	24210	End	27411
Name	OJ991117_14.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	24210	End	27411
GI	none	Score	117
Exons	24210..24290, 24221..24289, 25240..25311, 25248..25325, 25709..25813, 26124..26198, 26158..26226, 26158..26226, 26160..26249, 26308..26406, 26315..26407, 26316..26435, 26316..26408, 26329..26430, 26498..26638, 26507..26632, 26686..26790, 26691..26792, 26694..26792, 26720..26803, 27307..27411, 27315..27410		

Seq. No.	41109	Seq. ID	OJ991117_14.0410.C5

Gene No.	85161	Strand	
Start	24210	End	27411
Name	OJ991117_14.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	26496	End	27411
GI	none	Score	197
Exons	26496..26621, 26506..26628, 26507..26632, 26691..26792, 26705..26803, 26713..26793, 27307..27411, 27315..27410		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85162	Strand	+
Start	1	End	1652
Name	OJ991117_14.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	1652
GI	5103809	Score	358
Exons	1..181, 278..377, 1622..1652		
GI Descrip.	(AC007591) Similar to gb|AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb|N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85163	Strand	+
Start	3755	End	5695
Name	OJ991117_14.0410.C6.o3.gs	Method	GENSCAN
Start	3755	End	5695
GI	none	Score	.94
Exons	3755..3853, 3964..4057, 4462..4671, 4983..5695		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85163	Strand	+
Start	3755	End	5695
Name	OJ991117_14.0410.C6.o2.np	Method	AAT/NAP
Start	3779	End	5689
GI	2462829	Score	554
Exons	3779..3866, 3977..4057, 4462..4671, 4980..5689		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85163	Strand	+
Start	3755	End	5695
Name	OJ991117_14.0410.C6.o1.gp	Method	AAT/GAP
Start	3956	End	5112
GI	1632026	Score	740
Exons	3956..4057, 4462..4671, 4983..5112		
GI Descrip.	2462829 9.0e-12 (AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85164	Strand	-
Start	1768	End	2128
Name	OJ991117_14.0410.C6.o2.gs	Method	GENSCAN
Start	1768	End	2128
GI	none	Score	.74
Exons	1768..1873, 2046..2128		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85165	Strand	-
Start	6556	End	8448

Name	OJ991117_14.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	926
GI	none	Score	268
Exons	3..179, 3..152, 35..181, 275..373, 276..368, 757..906, 777..905, 782..916, 783..926		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85165	Strand	-
Start	6556	End	8448
Name	OJ991117_14.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	120	End	905
GI	none	Score	99
Exons	120..182, 122..166, 269..367, 270..368, 783..905, 797..874		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85165	Strand	-
Start	6556	End	8448
Name	OJ991117_14.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	3799	End	5218
GI	none	Score	84
Exons	3799..3852, 3800..3856, 3961..4056, 3963..4055, 4454..4669, 4461..4670, 4461..4670, 4958..5218, 4959..5144, 4982..5194, 5159..5218		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85165	Strand	-
Start	6556	End	8448
Name	OJ991117_14.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	3997	End	5530
GI	none	Score	62
Exons	3997..4053, 4454..4678, 4458..4673, 4991..5152, 4996..5103, 5093..5149, 5237..5368, 5393..5530		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85165	Strand	-
Start	6556	End	8448
Name	OJ991117_14.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	5330	End	5687
GI	none	Score	59
Exons	5330..5401, 5331..5402, 5372..5683, 5394..5687, 5395..5625, 5645..5686		

Seq. No.	41110	Seq. ID	OJ991117_14.0410.C6
Gene No.	85165	Strand	-
Start	6556	End	8448
Name	OJ991117_14.0410.C6.o4.gs	Method	GENSCAN
Start	6556	End	8448
GI	none	Score	.67
Exons	6556..6763, 6774..7120, 7216..7418, 7624..7832, 8236..8448		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	4041
GI	4680203	Score	3294
Exons	1..30, 732..2404, 2558..2788, 3065..4041		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o1.gp	Method	AAT/GAP
Start	282	End	1808
GI	2310235	Score	294
Exons	282..319, 732..871, 1748..1808		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o1.gs	Method	GENSCAN
Start	732	End	3889
GI	none	Score	.6
Exons	732..1802, 1847..3889		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o3.gp	Method	AAT/GAP
Start	736	End	4826
GI	342_1.R1084	Score	6618
Exons	736..4107, 4143..4162, 4245..4342, 4452..4826		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o2.gp	Method	AAT/GAP
Start	736	End	4824
GI	342_1.R1084	Score	6614
Exons	736..4107, 4143..4162, 4245..4342, 4452..4824		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o7.gp	Method	AAT/GAP
Start	869	End	4958
GI	342_1.R1084	Score	6675
Exons	869..4107, 4143..4162, 4245..4342, 4452..4958		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o5.gp	Method	AAT/GAP
Start	870	End	4958
GI	342_1.R1084	Score	6673
Exons	870..4107, 4143..4162, 4245..4342, 4452..4958		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85166	Strand	+
Start	1	End	4958
Name	OJ991117_14.0410.C7.o6.gp	Method	AAT/GAP
Start	874	End	4958
GI	342_1.R1084	Score	6669
Exons	874..4107, 4143..4162, 4245..4342, 4452..4958		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85167	Strand	-
Start	3682	End	4098
Name	OJ991117_14.0410.C7.o4.gp	Method	AAT/GAP
Start	3682	End	4098
GI	LIB3431-028-P1-N1-A10	Score	819
Exons	3682..4098		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o4.tw	Method	TBLASTX:Wheat
Start	1083	End	1434
GI	none	Score	103
Exons	1083..1190, 1173..1424, 1181..1423, 1183..1434		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	1355	End	1784
GI	none	Score	102
Exons	1355..1438, 1356..1430, 1431..1493, 1488..1784, 1542..1766		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o2.tc	Method	TBLASTX:Cress
Start	1517	End	1832
GI	none	Score	288
Exons	1517..1669, 1524..1832, 1709..1804		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o2.tw	Method	TBLASTX:Wheat
Start	1653	End	2121
GI	none	Score	72
Exons	1653..1706, 1661..1705, 1707..1811, 1718..1807, 1825..1911, 1826..1912, 1892..2116, 1912..2121, 1913..2116, 1915..2121		
Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7

Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	1698	End	2155
GI	none	Score	108
Exons	1698..1826, 1710..1832, 1826..1951, 1832..1951, 1961..2155		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o2.ts	Method	TBLASTX:Soybean
Start	1985	End	2227
GI	none	Score	211
Exons	1985..2227		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o3.tw	Method	TBLASTX:Wheat
Start	2260	End	2670
GI	none	Score	87
Exons	2260..2310, 2261..2323, 2329..2511, 2333..2551, 2579..2668, 2584..2670, 2585..2668		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o1.tw	Method	TBLASTX:Wheat
Start	2671	End	3999
GI	none	Score	865
Exons	2671..3573, 2672..3589, 3584..3628, 3588..3623, 3631..3726, 3635..3694, 3673..3813, 3674..3814, 3803..3889, 3826..3906, 3895..3999, 3921..3986		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	2714	End	3028
GI	none	Score	322
Exons	2714..3028, 2725..3000, 2798..3028		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	2955	End	3406
GI	none	Score	161
Exons	2955..3137, 2959..3396, 2959..3402, 2963..3406, 3257..3406		

Seq. No.	41111	Seq. ID	OJ991117_14.0410.C7
Gene No.	85168	Strand	-
Start	4913	End	5278
Name	OJ991117_14.0410.C7.o2.gs	Method	GENSCAN
Start	4913	End	5278
GI	none	Score	1
Exons	4913..5278		

Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85169	Strand	+
Start	1245	End	8983
Name	OJ991117_14.0410.C8.o2.np	Method	AAT/NAP
Start	1245	End	6308
GI	4680204	Score	1066
Exons	1245..2681, 2756..3855, 3966..4139, 4236..4455, 4806..4901, 6267..6308		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85169	Strand	+
Start	1245	End	8983
Name	OJ991117_14.0410.C8.o2.gs	Method	GENSCAN
Start	2750	End	4961
GI	none	Score	.96
Exons	2750..2897, 3023..3168, 3170..3855, 3966..4139, 4236..4346, 4431..4503, 4598..4696, 4776..4961		

Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85169	Strand	+
Start	1245	End	8983
Name	OJ991117_14.0410.C8.o2.gp	Method	AAT/GAP
Start	5321	End	5460
GI	21474_1.R1084	Score	228
Exons	5321..5460		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85169	Strand	+
Start	1245	End	8983
Name	OJ991117_14.0410.C8.o3.gs	Method	GENSCAN
Start	5598	End	8983
GI	none	Score	.9
Exons	5598..5603, 6913..7035, 7378..7494, 8978..8983		

Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85170	Strand	+
Start	18483	End	19144
Name	OJ991117_14.0410.C8.o3.np	Method	AAT/NAP
Start	18483	End	19144
GI	6069646	Score	288
Exons	18483..19144		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85171	Strand	+
Start	20135	End	20296
Name	OJ991117_14.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	1888	End	2291
GI	none	Score	62

Exons	1888..2028, 1888..1998, 1890..2126, 1890..2039, 1991..2158, 2121..2291, 2196..2291		
Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85171	Strand	+
Start	20135	End	20296
Name	OJ991117_14.0410.C8.o2.tw	Method	TBLASTX:Wheat
Start	3782	End	4305
GI	none	Score	60
Exons	3782..3862, 3952..4134, 4002..4127, 4234..4305		
Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85171	Strand	+
Start	20135	End	20296
Name	OJ991117_14.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	18659	End	18937
GI	none	Score	133
Exons	18659..18742, 18663..18764, 18749..18937		
Seq. No.	41112	Seq. ID	OJ991117_14.0410.C8
Gene No.	85171	Strand	+
Start	20135	End	20296
Name	OJ991117_14.0410.C8.o4.gp	Method	AAT/GAP
Start	20135	End	20296
GI	5771112	Score	324
Exons	20135..20296		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85172	Strand	+
Start	9570	End	13076
Name	OJ991117_14.0410.C9.o2.gs	Method	GENSCAN
Start	9570	End	12925
GI	none	Score	.4
Exons	9570..9578, 10242..10416, 10482..10651, 10893..11978, 12557..12925		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85172	Strand	+
Start	9570	End	13076
Name	OJ991117_14.0410.C9.o1.gp	Method	AAT/GAP
Start	12685	End	13076
GI	2311827	Score	760
Exons	12685..13076		
GI Descrip.	2160694 2.0e-09 (U73528) B' regulatory subunit of PP2A [Arabidopsis thaliana]		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85173	Strand	+
Start	16869	End	20943
Name	OJ991117_14.0410.C9.o1.np	Method	AAT/NAP
Start	16869	End	20943
GI	7228446	Score	3628
Exons	16869..19985, 20073..20943		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85174	Strand	+
Start	24746	End	27481
Name	OJ991117_14.0410.C9.o5.gs	Method	GENSCAN
Start	24746	End	27481
GI	none	Score	.87
Exons	24746..24839, 24867..24981, 25158..25280, 25360..25378, 27461..27481		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85175	Strand	+
Start	30472	End	32316
Name	OJ991117_14.0410.C9.o2.np	Method	AAT/NAP
Start	30472	End	32316
GI	4008156	Score	878
Exons	30472..30840, 30955..31074, 31177..31294, 31408..31556, 31651..31751, 32052..32316		
GI Descrip.	(AB008845) NADH dependent Glutamate Synthase [Oryza sativa]		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85175	Strand	+
Start	30472	End	32316
Name	OJ991117_14.0410.C9.o7.gs	Method	GENSCAN
Start	30472	End	31788
GI	none	Score	.91
Exons	30472..30840, 30955..31089, 31177..31290, 31404..31556, 31651..31788		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85176	Strand	-
Start	2462	End	8568
Name	OJ991117_14.0410.C9.o1.gs	Method	GENSCAN
Start	2462	End	8568
GI	none	Score	.67
Exons	2462..2478, 3099..3555, 3651..3778, 4470..4953, 5100..6529, 7266..7365, 8157..8255, 8449..8568		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85177	Strand	-
Start	13937	End	16139
Name	OJ991117_14.0410.C9.o3.gp	Method	AAT/GAP
Start	13772	End	14299
GI	none	Score	482
Exons	13772..13972, 14209..14299		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85177	Strand	-
Start	13937	End	16139
Name	OJ991117_14.0410.C9.o3.gs	Method	GENSCAN
Start	13937	End	16139
GI	none	Score	.52
Exons	13937..13972, 14424..14510, 14691..14744, 14875..14988, 15072..15449, 15655..15826, 15925..16139		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85177	Strand	-
Start	13937	End	16139

Name	OJ991117_14.0410.C9.o4.gp	Method	AAT/GAP
Start	14908	End	15335
GI	none	Score	603
Exons	14908..14988, 15072..15335		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o10.tm	Method	TBLASTX:Maize
Start	10811	End	25073
GI	none	Score	59
Exons	10811..10861, 10812..10889, 10812..10865, 10871..10909, 10881..10910, 10896..11018, 10912..11016, 10913..11017, 24924..25073		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o3.tw	Method	TBLASTX:Wheat
Start	11014	End	11471
GI	none	Score	271
Exons	11014..11109, 11024..11278, 11028..11288, 11327..11446, 11328..11471, 11343..11471		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	11027	End	11708
GI	none	Score	234
Exons	11027..11278, 11028..11288, 11328..11708, 11336..11695		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	11028	End	12880
GI	none	Score	257
Exons	11028..11276, 11045..11275, 11327..11980, 11328..11981, 11337..11984, 12550..12861, 12551..12880		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	11034	End	13177
GI	none	Score	1367
Exons	11034..11981, 11036..11980, 11782..11991, 12550..12924, 12551..12925, 12555..12932, 12821..12931, 13044..13118, 13045..13119, 13147..13176, 13151..13177		

Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	11479	End	11855
GI	none	Score	94

Exons	11479..11634, 11483..11845, 11484..11855, 11498..11848		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o5.ts	Method	TBLASTX:Soybean
Start	11709	End	12598
GI	none	Score	318
Exons	11709..11981, 11711..11980, 12551..12598		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o6.tw	Method	TBLASTX:Wheat
Start	12559	End	12835
GI	none	Score	278
Exons	12559..12759, 12560..12835		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o8.ts	Method	TBLASTX:Soybean
Start	12601	End	12898
GI	none	Score	223
Exons	12601..12756, 12602..12898		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o9.tm	Method	TBLASTX:Maize
Start	14688	End	15101
GI	none	Score	85
Exons	14688..14744, 14692..14745, 14870..14998, 14875..14994, 15072..15101		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o8.tm	Method	TBLASTX:Maize
Start	16796	End	17078
GI	none	Score	222
Exons	16796..16984, 16809..17078		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o5.tm	Method	TBLASTX:Maize
Start	17832	End	18240
GI	none	Score	283
Exons	17832..17972, 17833..18240		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o5.tw	Method	TBLASTX:Wheat
Start	17853	End	18294
GI	none	Score	298

Exons	17853..18098, 17854..18219, 17896..18099, 18220..18294		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o7.ts	Method	TBLASTX:Soybean
Start	18244	End	18549
GI	none	Score	241
Exons	18244..18549, 18309..18548, 18340..18420		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o4.tw	Method	TBLASTX:Wheat
Start	18379	End	18939
GI	none	Score	361
Exons	18379..18840, 18591..18839, 18844..18939		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	18582	End	19011
GI	none	Score	420
Exons	18582..18956, 18586..18933, 18940..19011		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o3.ts	Method	TBLASTX:Soybean
Start	18613	End	19116
GI	none	Score	449
Exons	18613..19116, 18618..18881, 18942..19082		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o3.tc	Method	TBLASTX:Cress
Start	18652	End	19065
GI	none	Score	274
Exons	18652..19065, 18678..18710, 18763..19035		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	19405	End	19908
GI	5509260	Score	453
Exons	19405..19908, 19422..19694, 19725..19826		
GI Descrip.	-		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o4.tm	Method	TBLASTX:Maize
Start	19431	End	19752
GI	none	Score	423

Exons	19431..19751, 19432..19752		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o4.tc	Method	TBLASTX:Cress
Start	19521	End	19791
GI	none	Score	251
Exons	19521..19772, 19522..19791		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o2.tw	Method	TBLASTX:Wheat
Start	19572	End	20118
GI	none	Score	320
Exons	19572..19703, 19573..19917, 19726..19917, 19909..20118		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o6.tm	Method	TBLASTX:Maize
Start	19954	End	20217
GI	none	Score	267
Exons	19954..20217, 19956..20135, 20008..20214		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	20220	End	20676
GI	none	Score	281
Exons	20220..20465, 20221..20460, 20458..20676, 20475..20675		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o2.tc	Method	TBLASTX:Cress
Start	20247	End	20928
GI	none	Score	190
Exons	20247..20432, 20248..20442, 20451..20558, 20452..20559, 20554..20676, 20556..20690, 20674..20928, 20715..20834		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o4.ts	Method	TBLASTX:Soybean
Start	20281	End	20934
GI	none	Score	127
Exons	20281..20454, 20317..20421, 20463..20675, 20470..20934		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o7.tw	Method	TBLASTX:Wheat
Start	20446	End	20895
GI	none	Score	143

Exons	20446..20679, 20677..20895		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o7.tm	Method	TBLASTX:Maize
Start	20677	End	20922
GI	none	Score	245
Exons	20677..20922, 20682..20816, 20707..20910		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o6.ts	Method	TBLASTX:Soybean
Start	21934	End	22263
GI	none	Score	84
Exons	21934..22005, 21936..22004, 22015..22263, 22053..22262		
Seq. No.	41113	Seq. ID	OJ991117_14.0410.C9
Gene No.	85178	Strand	-
Start	29029	End	29214
Name	OJ991117_14.0410.C9.o6.gs	Method	GENSCAN
Start	29029	End	29214
GI	none	Score	.66
Exons	29029..29214		
Seq. No.	41114	Seq. ID	OJ991117_14.0410.C18
Gene No.	85179	Strand	-
Start	1119	End	1536
Name	OJ991117_14.0410.C18.o2.gs	Method	GENSCAN
Start	1119	End	1536
GI	none	Score	.88
Exons	1119..1243, 1494..1536		
Seq. No.	41115	Seq. ID	OJ991117_14.0410.C20
Gene No.	85180	Strand	+
Start	163	End	367
Name	OJ991117_14.0410.C20.o1.gs	Method	GENSCAN
Start	163	End	367
GI	none	Score	.66
Exons	163..178, 262..367		
Seq. No.	41116	Seq. ID	OJ991117_14.0410.C23
Gene No.	85181	Strand	+
Start	1221	End	1684
Name	OJ991117_14.0410.C23.o1.gp	Method	AAT/GAP
Start	1221	End	1684
GI	3768230	Score	572
Exons	1221..1385, 1523..1684		
Seq. No.	41116	Seq. ID	OJ991117_14.0410.C23
Gene No.	85182	Strand	-
Start	1185	End	1803
Name	OJ991117_14.0410.C23.o1.gs	Method	GENSCAN
Start	1185	End	1803
GI	none	Score	.88
Exons	1185..1646, 1731..1803		

Seq. No.	41117	Seq. ID	OJ991117_14.0410.C26
Gene No.	85183	Strand	+
Start	169	End	715
Name	OJ991117_14.0410.C26.o1.np	Method	AAT/NAP
Start	169	End	715
GI	3980416	Score	116
Exons	169..261, 610..715		
GI Descrip.	(AC004561) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	41117	Seq. ID	OJ991117_14.0410.C26
Gene No.	85184	Strand	-
Start	516	End	655
Name	OJ991117_14.0410.C26.o1.gs	Method	GENSCAN
Start	516	End	655
GI	none	Score	.47
Exons	516..655		

Seq. No.	41118	Seq. ID	OJ991117_14.0410.C29
Gene No.	85185	Strand	-
Start	1	End	716
Name	OJ991117_14.0410.C29.o1.np	Method	AAT/NAP
Start	1	End	716
GI	322871	Score	725
Exons	1..716		
GI Descrip.	hypothetical protein 1 - maize transposon En-1 gi|225005|prf||1206239A ORF 1 [Zea mays]		

Seq. No.	41118	Seq. ID	OJ991117_14.0410.C29
Gene No.	85185	Strand	-
Start	1	End	716
Name	OJ991117_14.0410.C29.o1.tm	Method	TBLASTX:Maize
Start	18	End	465
GI	none	Score	59
Exons	18..89, 21..98, 22..141, 22..465, 23..406		

Seq. No.	41118	Seq. ID	OJ991117_14.0410.C29
Gene No.	85185	Strand	-
Start	1	End	716
Name	OJ991117_14.0410.C29.o1.tw	Method	TBLASTX:Wheat
Start	22	End	360
GI	none	Score	66
Exons	22..360, 23..145		

Seq. No.	41118	Seq. ID	OJ991117_14.0410.C29
Gene No.	85185	Strand	-
Start	1	End	716
Name	OJ991117_14.0410.C29.o1.gs	Method	GENSCAN
Start	23	End	624
GI	none	Score	.79
Exons	23..624		

Seq. No.	41118	Seq. ID	OJ991117_14.0410.C29
Gene No.	85185	Strand	-
Start	1	End	716
Name	OJ991117_14.0410.C29.o1.ts	Method	TBLASTX:Soybean
Start	27	End	423

GI	none	Score	53
Exons	27..191, 27..179, 28..192, 31..243, 53..220, 223..423, 263..334, 294..344, 298..417		

Seq. No.	41118	Seq. ID	OJ991117_14.0410.C29
Gene No.	85185	Strand	-
Start	1	End	716
Name	OJ991117_14.0410.C29.o2.tm	Method	TBLASTX:Maize
Start	473	End	696
GI	none	Score	101
Exons	473..685, 493..696		

Seq. No.	41119	Seq. ID	OJ991117_14.0410.C32
Gene No.	85186	Strand	-
Start	148	End	199
Name	OJ991117_14.0410.C32.o1.gs	Method	GENSCAN
Start	148	End	199
GI	none	Score	.86
Exons	148..199		

Seq. No.	41120	Seq. ID	OJ991117_14.0410.C35
Gene No.	85187	Strand	+
Start	113	End	639
Name	OJ991117_14.0410.C35.o1.ts	Method	TBLASTX:Soybean
Start	110	End	639
GI	none	Score	63
Exons	110..169, 175..255, 277..546, 318..476, 562..639, 573..632		

Seq. No.	41120	Seq. ID	OJ991117_14.0410.C35
Gene No.	85187	Strand	+
Start	113	End	639
Name	OJ991117_14.0410.C35.o1.np	Method	AAT/NAP
Start	113	End	621
GI	7489515	Score	852
Exons	113..621		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792250|gb|AAB97000.1| (AF032703) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	41120	Seq. ID	OJ991117_14.0410.C35
Gene No.	85187	Strand	+
Start	113	End	639
Name	OJ991117_14.0410.C35.o1.gs	Method	GENSCAN
Start	206	End	487
GI	none	Score	.54
Exons	206..487		

Seq. No.	41121	Seq. ID	OJ991117_14.0410.C36
Gene No.	85188	Strand	+
Start	1	End	1685
Name	OJ991117_14.0410.C36.o1.np	Method	AAT/NAP
Start	1	End	320
GI	4234955	Score	179
Exons	1..320		
GI Descrip.	(AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	41121	Seq. ID	OJ991117_14.0410.C36

Gene No.	85188	Strand	+
Start	1	End	1685
Name	OJ991117_14.0410.C36.o1.gs	Method	GENSCAN
Start	120	End	1642
GI	none	Score	.85
Exons	120..320, 434..557, 618..747, 1300..1642		

Seq. No.	41121	Seq. ID	OJ991117_14.0410.C36
Gene No.	85188	Strand	+
Start	1	End	1685
Name	OJ991117_14.0410.C36.o1.gp	Method	AAT/GAP
Start	406	End	850
GI	none	Score	797
Exons	406..850		

Seq. No.	41121	Seq. ID	OJ991117_14.0410.C36
Gene No.	85188	Strand	+
Start	1	End	1685
Name	OJ991117_14.0410.C36.o2.np	Method	AAT/NAP
Start	1320	End	1685
GI	5295971	Score	564
Exons	1320..1685		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	41122	Seq. ID	OJ991117_14.0410.C37
Gene No.	85189	Strand	+
Start	1	End	713
Name	OJ991117_14.0410.C37.o1.np	Method	AAT/NAP
Start	1	End	713
GI	5295971	Score	1189
Exons	1..713		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	41122	Seq. ID	OJ991117_14.0410.C37
Gene No.	85189	Strand	+
Start	1	End	713
Name	OJ991117_14.0410.C37.o1.tm	Method	TBLASTX:Maize
Start	19	End	481
GI	none	Score	43
Exons	19..51, 20..49, 56..481, 57..380, 116..481		

Seq. No.	41122	Seq. ID	OJ991117_14.0410.C37
Gene No.	85189	Strand	+
Start	1	End	713
Name	OJ991117_14.0410.C37.o1.gs	Method	GENSCAN
Start	91	End	676
GI	none	Score	.99
Exons	91..676		

Seq. No.	41122	Seq. ID	OJ991117_14.0410.C37
Gene No.	85189	Strand	+
Start	1	End	713
Name	OJ991117_14.0410.C37.o1.tw	Method	TBLASTX:Wheat

Start	406	End	712
GI	none	Score	288
Exons	406..711, 407..712		

Seq. No.	41122	Seq. ID	OJ991117_14.0410.C37
Gene No.	85189	Strand	+
Start	1	End	713
Name	OJ991117_14.0410.C37.o2.tm	Method	TBLASTX:Maize
Start	496	End	712
GI	none	Score	260
Exons	496..711, 497..712		

Seq. No.	41123	Seq. ID	OJ991117_14.0410.C38
Gene No.	85190	Strand	-
Start	1	End	954
Name	OJ991117_14.0410.C38.o1.np	Method	AAT/NAP
Start	1	End	954
GI	1076802	Score	83
Exons	1..240, 408..501, 598..954		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	41123	Seq. ID	OJ991117_14.0410.C38
Gene No.	85190	Strand	-
Start	1	End	954
Name	OJ991117_14.0410.C38.o1.gs	Method	GENSCAN
Start	10	End	747
GI	none	Score	.96
Exons	10..545, 623..747		

Seq. No.	41124	Seq. ID	OJ991117_14.0410.C41
Gene No.	85191	Strand	-
Start	154	End	1158
Name	OJ991117_14.0410.C41.o1.gs	Method	GENSCAN
Start	154	End	1158
GI	none	Score	.54
Exons	154..300, 510..595, 1137..1158		

Seq. No.	41125	Seq. ID	OJ991117_14.0410.C42
Gene No.	85192	Strand	-
Start	1	End	1476
Name	OJ991117_14.0410.C42.o1.np	Method	AAT/NAP
Start	1	End	1476
GI	4680199	Score	548
Exons	1..30, 116..798, 1120..1476		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41125	Seq. ID	OJ991117_14.0410.C42
Gene No.	85192	Strand	-
Start	1	End	1476
Name	OJ991117_14.0410.C42.o1.ts	Method	TBLASTX:Soybean
Start	2	End	368
GI	none	Score	170
Exons	2..31, 108..368		

Seq. No.	41125	Seq. ID	OJ991117_14.0410.C42

Gene No.	85192	Strand	-
Start	1	End	1476
Name	OJ991117_14.0410.C42.o1.tw	Method	TBLASTX:Wheat
Start	114	End	479
GI	none	Score	62
Exons	114..479, 169..258, 322..420		

Seq. No.	41125	Seq. ID	OJ991117_14.0410.C42
Gene No.	85192	Strand	-
Start	1	End	1476
Name	OJ991117_14.0410.C42.o1.gs	Method	GENSCAN
Start	116	End	1346
GI	none	Score	.42
Exons	116..881, 1161..1346		

Seq. No.	41125	Seq. ID	OJ991117_14.0410.C42
Gene No.	85192	Strand	-
Start	1	End	1476
Name	OJ991117_14.0410.C42.o2.tm	Method	TBLASTX:Maize
Start	147	End	668
GI	none	Score	57
Exons	147..239, 147..374, 157..384, 417..668		

Seq. No.	41125	Seq. ID	OJ991117_14.0410.C42
Gene No.	85192	Strand	-
Start	1	End	1476
Name	OJ991117_14.0410.C42.o1.tm	Method	TBLASTX:Maize
Start	1116	End	1382
GI	none	Score	149
Exons	1116..1382, 1117..1317, 1140..1382		

Seq. No.	41126	Seq. ID	OJ991117_14.0410.C44
Gene No.	85193	Strand	-
Start	72	End	133
Name	OJ991117_14.0410.C44.o1.gs	Method	GENSCAN
Start	72	End	133
GI	none	Score	.88
Exons	72..133		

Seq. No.	41127	Seq. ID	OJ991117_14.0410.C48
Gene No.	85194	Strand	+
Start	224	End	995
Name	OJ991117_14.0410.C48.o1.np	Method	AAT/NAP
Start	224	End	995
GI	806299	Score	310
Exons	224..995		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	41127	Seq. ID	OJ991117_14.0410.C48
Gene No.	85194	Strand	+
Start	224	End	995
Name	OJ991117_14.0410.C48.o1.gs	Method	GENSCAN
Start	227	End	943
GI	none	Score	.91
Exons	227..943		

Seq. No.	41128	Seq. ID	OJ991117_14.0410.C50

Gene No.	85195	Strand	+
Start	178	End	1135
Name	OJ991117_14.0410.C50.o1.np	Method	AAT/NAP
Start	178	End	946
GI	7435895	Score	199
Exons	178..269, 819..946		
GI Descrip.	multicatalytic endopeptidase complex (EC 3.4.99.46) beta chain - Arabidopsis thaliana gi|2511594|emb|CAA74028.1| (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|2827525|emb|CAA16533.1| (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|3421099|gb|AAC32065.1		

Seq. No.	41128	Seq. ID	OJ991117_14.0410.C50
Gene No.	85195	Strand	+
Start	178	End	1135
Name	OJ991117_14.0410.C50.o1.tm	Method	TBLASTX:Maize
Start	192	End	960
GI	none	Score	123
Exons	192..278, 192..272, 194..277, 819..848, 847..957, 848..958, 848..958, 849..959, 849..959, 850..960		

Seq. No.	41128	Seq. ID	OJ991117_14.0410.C50
Gene No.	85195	Strand	+
Start	178	End	1135
Name	OJ991117_14.0410.C50.o1.gp	Method	AAT/GAP
Start	193	End	1135
GI	3678_1.R1084	Score	701
Exons	193..269, 819..1135		
GI Descrip.	'2511594/emb|CAA74028.1| 3.0e-35 (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_2827525_emb_CAA16533.1_ (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_3421099 (AF043529) 20S proteasome subunit PBA1 [Arabidopsis thaliana]'		

Seq. No.	41129	Seq. ID	OJ991117_14.0410.C52
Gene No.	85196	Strand	+
Start	122	End	894
Name	OJ991117_14.0410.C52.o1.gs	Method	GENSCAN
Start	122	End	894
GI	none	Score	.64
Exons	122..243, 441..490, 499..754, 807..894		

Seq. No.	41130	Seq. ID	OJ991117_14.0410.C53
Gene No.	85197	Strand	-
Start	329	End	733
Name	OJ991117_14.0410.C53.o1.gs	Method	GENSCAN
Start	329	End	733
GI	none	Score	.65
Exons	329..358, 650..733		

Seq. No.	41131	Seq. ID	OJ991117_14.0410.C56
Gene No.	85198	Strand	-
Start	78	End	1482
Name	OJ991117_14.0410.C56.o1.tm	Method	TBLASTX:Maize

Start	2	End	905
GI	none	Score	125
Exons	2..40, 32..166, 34..171, 35..166, 151..327, 153..422, 175..324, 177..416, 526..630, 527..631, 528..632, 529..633, 706..747, 708..758, 825..905		

Seq. No.	41131	Seq. ID	OJ991117_14.0410.C56
Gene No.	85198	Strand	-
Start	78	End	1482
Name	OJ991117_14.0410.C56.o1.gs	Method	GENSCAN
Start	78	End	1482
GI	none	Score	.83
Exons	78..632, 739..781, 837..893, 1406..1482		

Seq. No.	41132	Seq. ID	OJ991117_14.0410.C58
Gene No.	85199	Strand	-
Start	514	End	720
Name	OJ991117_14.0410.C58.o1.gs	Method	GENSCAN
Start	514	End	720
GI	none	Score	.95
Exons	514..720		

Seq. No.	41133	Seq. ID	OJ991117_14.0410.C59
Gene No.	85200	Strand	-
Start	174	End	826
Name	OJ991117_14.0410.C59.o1.np	Method	AAT/NAP
Start	167	End	826
GI	3688209	Score	196
Exons	167..389, 753..826		
GI Descrip.	(AJ010093) MAP3K beta 1 protein kinase [Brassica napus]		

Seq. No.	41133	Seq. ID	OJ991117_14.0410.C59
Gene No.	85200	Strand	-
Start	174	End	826
Name	OJ991117_14.0410.C59.o1.gs	Method	GENSCAN
Start	174	End	794
GI	none	Score	.99
Exons	174..389, 756..794		

Seq. No.	41133	Seq. ID	OJ991117_14.0410.C59
Gene No.	85200	Strand	-
Start	174	End	826
Name	OJ991117_14.0410.C59.o1.tm	Method	TBLASTX:Maize
Start	255	End	825
GI	none	Score	99
Exons	255..371, 255..389, 256..393, 756..824, 756..824, 757..825		

Seq. No.	41134	Seq. ID	OJ991117_14.0410.C60
Gene No.	85201	Strand	-
Start	1	End	173
Name	OJ991117_14.0410.C60.o1.np	Method	AAT/NAP
Start	1	End	173
GI	7523502	Score	137
Exons	1..173		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41135	Seq. ID	OJ991117_14.0410.C61

Gene No.	85202	Strand	+
Start	687	End	1058
Name	OJ991117_14.0410.C61.o1.gs	Method	GENSCAN
Start	687	End	1058
GI	none	Score	.85
Exons	687..1058		

Seq. No.	41136	Seq. ID	OJ991117_14.0410.C64
Gene No.	85203	Strand	-
Start	384	End	1212
Name	OJ991117_14.0410.C64.o1.gs	Method	GENSCAN
Start	384	End	1212
GI	none	Score	.83
Exons	384..822, 1082..1212		

Seq. No.	41137	Seq. ID	OJ991117_14.0410.C65
Gene No.	85204	Strand	+
Start	540	End	688
Name	OJ991117_14.0410.C65.o1.gs	Method	GENSCAN
Start	540	End	688
GI	none	Score	.82
Exons	540..688		

Seq. No.	41138	Seq. ID	OJ991117_14.0410.C68
Gene No.	85205	Strand	+
Start	525	End	705
Name	OJ991117_14.0410.C68.o1.gs	Method	GENSCAN
Start	525	End	705
GI	none	Score	.65
Exons	525..705		

Seq. No.	41138	Seq. ID	OJ991117_14.0410.C68
Gene No.	85206	Strand	-
Start	645	End	757
Name	OJ991117_14.0410.C68.o1.gp	Method	AAT/GAP
Start	645	End	757
GI	571821	Score	193
Exons	645..757		

Seq. No.	41139	Seq. ID	OJ991117_14.0410.C72
Gene No.	85207	Strand	-
Start	719	End	970
Name	OJ991117_14.0410.C72.o1.gs	Method	GENSCAN
Start	719	End	970
GI	none	Score	.58
Exons	719..970		

Seq. No.	41140	Seq. ID	OJ991117_01.0403.C2
Gene No.	85208	Strand	-
Start	1	End	1052
Name	OJ991117_01.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	1052
GI	7485156	Score	397
Exons	1..184, 263..393, 565..687, 958..1052		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244971|emb|CAB10392.1| (Z97340) galactokinase like protein [Arabidopsis thaliana] gi|7268362|emb|CAB78655.1| (AL161543)		

galactokinase like protein [Arabidopsis thaliana]

Seq. No.	41140	Seq. ID	OJ991117_01.0403.C2
Gene No.	85208	Strand	-
Start	1	End	1052
Name	OJ991117_01.0403.C2.o1.ts	Method	TBLASTX:Soybean
Start	100	End	385
GI	none	Score	70
Exons	100..186, 101..184, 260..328,	262..321, 320..385, 325..384	

Seq. No.	41140	Seq. ID	OJ991117_01.0403.C2
Gene No.	85208	Strand	-
Start	1	End	1052
Name	OJ991117_01.0403.C2.o1.gs	Method	GENSCAN
Start	103	End	1041
GI	none	Score	.8
Exons	103..184, 263..393, 565..687,	958..1041	

Seq. No.	41140	Seq. ID	OJ991117_01.0403.C2
Gene No.	85208	Strand	-
Start	1	End	1052
Name	OJ991117_01.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	157	End	687
GI	none	Score	145
Exons	157..186, 260..394, 261..392, 622..687, 623..685	262..402, 562..618, 563..616,	

Seq. No.	41141	Seq. ID	OJ991117_01.0403.C3
Gene No.	85209	Strand	-
Start	217	End	3558
Name	OJ991117_01.0403.C3.o1.gs	Method	GENSCAN
Start	217	End	3467
GI	none	Score	.86
Exons	217..376, 463..626, 916..972, 3081..3157, 3296..3467	1219..1338, 1427..1536, 1621..1723, 2229..2291, 2382..2449, 2575..2632, 2796..2970,	

Seq. No.	41141	Seq. ID	OJ991117_01.0403.C3
Gene No.	85209	Strand	-
Start	217	End	3558
Name	OJ991117_01.0403.C3.o1.np	Method	AAT/NAP
Start	217	End	3558
GI	2326372	Score	1130
Exons	217..376, 451..626, 916..972, 1621..1723, 1816..1869, 2229..2291, 2382..2449, 2575..2632, 2796..2862, 3081..3157, 3296..3379, 3468..3558	1219..1338, 1427..1536,	
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	41141	Seq. ID	OJ991117_01.0403.C3
Gene No.	85209	Strand	-
Start	217	End	3558
Name	OJ991117_01.0403.C3.o2.ts	Method	TBLASTX:Soybean
Start	262	End	972
GI	none	Score	65
Exons	262..369, 294..389, 295..384,	505..627, 510..623, 910..972	

Seq. No.	41141	Seq. ID	OJ991117_01.0403.C3

Gene No.	85209	Strand	-
Start	217	End	3558
Name	OJ991117_01.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	1201	End	1872
GI	none	Score	112
Exons	1201..1347, 1208..1324, 1213..1344, 1384..1536, 1423..1536, 1427..1558, 1428..1538, 1605..1664, 1607..1666, 1607..1681, 1608..1679, 1682..1723, 1811..1870, 1813..1872		

Seq. No.	41141	Seq. ID	OJ991117_01.0403.C3
Gene No.	85209	Strand	-
Start	217	End	3558
Name	OJ991117_01.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	1228	End	1724
GI	none	Score	62
Exons	1228..1347, 1241..1321, 1276..1344, 1427..1558, 1428..1538, 1429..1602, 1607..1723, 1608..1724		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85210	Strand	+
Start	1	End	1117
Name	OJ991117_01.0403.C5.o1.gp	Method	AAT/GAP
Start	1	End	466
GI	LIB3432-060-P1-K1-H12	Score	874
Exons	1..466		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85210	Strand	+
Start	1	End	1117
Name	OJ991117_01.0403.C5.o1.gs	Method	GENSCAN
Start	104	End	1117
GI	none	Score	.95
Exons	104..1117		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85211	Strand	+
Start	9527	End	9958
Name	OJ991117_01.0403.C5.o3.gs	Method	GENSCAN
Start	9527	End	9958
GI	none	Score	.59
Exons	9527..9958		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85212	Strand	-
Start	2776	End	5945
Name	OJ991117_01.0403.C5.o2.gs	Method	GENSCAN
Start	2776	End	5945
GI	none	Score	.74
Exons	2776..3572, 4298..4403, 5557..5691, 5838..5945		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85213	Strand	-
Start	7631	End	11505
Name	OJ991117_01.0403.C5.o1.np	Method	AAT/NAP

Start	7631	End	10196
GI	7340881	Score	405
Exons	7631..7696, 7802..7981, 9384..9542, 9584..9748, 9841..9964, 10111..10196		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85213	Strand	-
Start	7631	End	11505
Name	OJ991117_01.0403.C5.o2.gp	Method	AAT/GAP
Start	8999	End	9071
GI	1631463	Score	88
Exons	8999..9071		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85213	Strand	-
Start	7631	End	11505
Name	OJ991117_01.0403.C5.o2.np	Method	AAT/NAP
Start	9063	End	11505
GI	5257273	Score	210
Exons	9063..9112, 10977..11505		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		

Seq. No.	41142	Seq. ID	OJ991117_01.0403.C5
Gene No.	85213	Strand	-
Start	7631	End	11505
Name	OJ991117_01.0403.C5.o4.gs	Method	GENSCAN
Start	11047	End	11427
GI	none	Score	.77
Exons	11047..11427		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o1.gs	Method	GENSCAN
Start	290	End	6462
GI	none	Score	.93
Exons	290..4855, 5242..5277, 5414..6007, 6337..6462		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o1.np	Method	AAT/NAP
Start	293	End	4855
GI	4680179	Score	7870
Exons	293..4855		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o7.tm	Method	TBLASTX:Maize
Start	317	End	529

GI	none	Score	193
Exons	317..529		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o6.tw	Method	TBLASTX:Wheat
Start	338	End	671
GI	none	Score	74
Exons	338..670, 359..520, 462..578, 563..664, 618..671		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	530	End	1117
GI	none	Score	251
Exons	530..958, 531..956, 956..1117, 963..1109		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	671	End	1297
GI	none	Score	367
Exons	671..1297, 672..1295		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	1166	End	1457
GI	none	Score	229
Exons	1166..1456, 1170..1457		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	1256	End	1516
GI	none	Score	157
Exons	1256..1516, 1257..1511, 1352..1513		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	1280	End	1597
GI	none	Score	87
Exons	1280..1423, 1281..1421, 1424..1597		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o3.tw	Method	TBLASTX:Wheat
Start	1304	End	1783
GI	none	Score	310

Exons	1304..1783, 1305..1712, 1337..1750		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o2.tw	Method	TBLASTX:Wheat
Start	1787	End	2296
GI	none	Score	232
Exons	1787..2296, 1871..2218, 1953..2264		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	1871	End	2224
GI	none	Score	51
Exons	1871..2224, 1875..1916, 1955..2170, 1956..2222		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o3.ts	Method	TBLASTX:Soybean
Start	2045	End	2290
GI	none	Score	46
Exons	2045..2290, 2046..2105, 2160..2267		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	2261	End	2761
GI	none	Score	89
Exons	2261..2596, 2376..2510, 2582..2761		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o5.tw	Method	TBLASTX:Wheat
Start	2297	End	2599
GI	none	Score	236
Exons	2297..2599, 2298..2579, 2497..2598		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	2312	End	2707
GI	none	Score	168
Exons	2312..2671, 2313..2576, 2591..2671, 2663..2707, 2675..2707		
Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o4.tw	Method	TBLASTX:Wheat
Start	2648	End	3130
GI	none	Score	158
Exons	2648..3130, 2657..3001, 2691..3026		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o4.ts	Method	TBLASTX:Soybean
Start	2780	End	3094
GI	none	Score	60
Exons	2780..3094, 2781..2978		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o5.tm	Method	TBLASTX:Maize
Start	2829	End	3118
GI	none	Score	165
Exons	2829..3020, 2831..3118		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o8.tw	Method	TBLASTX:Wheat
Start	3287	End	3709
GI	none	Score	109
Exons	3287..3478, 3294..3449, 3360..3500, 3500..3709, 3561..3659		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o8.tm	Method	TBLASTX:Maize
Start	3392	End	3712
GI	none	Score	68
Exons	3392..3712, 3567..3659		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o6.tm	Method	TBLASTX:Maize
Start	4052	End	4348
GI	none	Score	111
Exons	4052..4348, 4064..4348, 4161..4331		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o7.tw	Method	TBLASTX:Wheat
Start	4229	End	4588
GI	none	Score	107
Exons	4229..4585, 4229..4588		

Seq. No.	41143	Seq. ID	OJ991117_01.0403.C6
Gene No.	85214	Strand	-
Start	290	End	6462
Name	OJ991117_01.0403.C6.o2.np	Method	AAT/NAP
Start	5111	End	5941
GI	5042448	Score	1150
Exons	5111..5941		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type		

retrotransposon [Oryza sativa]

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85215	Strand	+
Start	565	End	706
Name	OJ991117_01.0403.C7.o1.np	Method	AAT/NAP
Start	565	End	706
GI	5042462	Score	68
Exons	565..706		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85216	Strand	+
Start	3474	End	4574
Name	OJ991117_01.0403.C7.o2.gs	Method	GENSCAN
Start	3474	End	4574
GI	none	Score	1
Exons	3474..4574		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85217	Strand	+
Start	19922	End	20496
Name	OJ991117_01.0403.C7.o5.gs	Method	GENSCAN
Start	19922	End	20344
GI	none	Score	.49
Exons	19922..20344		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85217	Strand	+
Start	19922	End	20496
Name	OJ991117_01.0403.C7.o3.np	Method	AAT/NAP
Start	19939	End	20496
GI	6906857	Score	195
Exons	19939..20331, 20448..20496		
GI Descrip.	(AF148498) unknown [Zea mays]		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85218	Strand	+
Start	24942	End	28739
Name	OJ991117_01.0403.C7.o7.gs	Method	GENSCAN
Start	24942	End	28739
GI	none	Score	.7
Exons	24942..24987, 26134..26234, 28596..28739		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85219	Strand	-
Start	6788	End	7460
Name	OJ991117_01.0403.C7.o2.np	Method	AAT/NAP
Start	6788	End	7460
GI	7487444	Score	321
Exons	6788..7096, 7322..7460		
GI Descrip.	hypothetical protein T26D22.18 - Arabidopsis thaliana gi|3047090|gb|AAC13602.1| (AF058826) T26D22.18 gene product [Arabidopsis thaliana]		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7

Gene No.	85220	Strand	-
Start	12731	End	17624
Name	OJ991117_01.0403.C7.o4.gs	Method	GENSCAN
Start	12731	End	17624
GI	none	Score	.58
Exons	12731..12926, 14447..14478, 14515..14657, 17585..17624		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	4688	End	7093
GI	none	Score	69
Exons	4688..4780, 5982..6119, 6272..6340, 6273..6329, 6791..7093, 6798..7088		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	4688	End	7079
GI	none	Score	237
Exons	4688..4780, 6003..6080, 6792..7076, 6797..7078, 6798..7079		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	6797	End	7103
GI	none	Score	80
Exons	6797..7084, 6797..7096, 6801..7100, 7005..7103		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	18314	End	18785
GI	none	Score	314
Exons	18314..18532, 18315..18686, 18699..18785, 18704..18781		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	18510	End	18880
GI	none	Score	336
Exons	18510..18878, 18659..18880		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	18956	End	19249
GI	none	Score	158
Exons	18956..19153, 19148..19249		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7

Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o6.gs	Method	GENSCAN
Start	22442	End	22846
GI	none	Score	.68
Exons	22442..22846		

Seq. No.	41144	Seq. ID	OJ991117_01.0403.C7
Gene No.	85221	Strand	-
Start	22442	End	22864
Name	OJ991117_01.0403.C7.o4.np	Method	AAT/NAP
Start	22445	End	22864
GI	6906857	Score	449
Exons	22445..22864		
GI Descrip.	(AF148498) unknown [Zea mays]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85222	Strand	+
Start	86	End	1368
Name	OJ991117_01.0403.C9.o1.np	Method	AAT/NAP
Start	86	End	1368
GI	7508272	Score	120
Exons	86..326, 951..1368		
GI Descrip.	hypothetical protein T23B3.5 - Caenorhabditis elegans gi|1825739|gb|AAB42334.1| (U88309) T23B3.5 gene product [Caenorhabditis elegans]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85223	Strand	+
Start	9893	End	12494
Name	OJ991117_01.0403.C9.o4.np	Method	AAT/NAP
Start	9893	End	12494
GI	1076770	Score	253
Exons	9893..9966, 12220..12494		
GI Descrip.	high-affinity potassium uptake transporter - wheat gi|567062 (U16709) HKT1 [Triticum aestivum] gi|746339|prf||2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85224	Strand	+
Start	12438	End	24231
Name	OJ991117_01.0403.C9.o3.gs	Method	GENSCAN
Start	12438	End	24231
GI	none	Score	.53
Exons	12438..12471, 13671..13915, 16074..16175, 16884..17040, 17116..17186, 17280..17512, 18012..18186, 18441..18599, 18759..18960, 19397..19840, 20009..20516, 21046..21218, 21856..21988, 22320..22354, 23999..24231		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85224	Strand	+
Start	12438	End	24231
Name	OJ991117_01.0403.C9.o5.np	Method	AAT/NAP
Start	19117	End	20886
GI	6983857	Score	1555
Exons	19117..19231, 19294..19840, 20009..20562, 20608..20886		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85225	Strand	+
Start	27780	End	30306
Name	OJ991117_01.0403.C9.o6.np	Method	AAT/NAP
Start	27594	End	29594
GI	1076770	Score	1762
Exons	27594..28768, 28882..29103, 29396..29594		
GI Descrip.	high-affinity potassium uptake transporter - wheat gi|567062 (U16709) HKT1 [Triticum aestivum] gi|746339|prf||2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85225	Strand	+
Start	27780	End	30306
Name	OJ991117_01.0403.C9.o5.gs	Method	GENSCAN
Start	27780	End	30306
GI	none	Score	.43
Exons	27780..28768, 28882..29103, 29396..29571, 30095..30306		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85225	Strand	+
Start	27780	End	30306
Name	OJ991117_01.0403.C9.o3.gp	Method	AAT/GAP
Start	27888	End	28189
GI	5803429	Score	560
Exons	27888..28189		
GI Descrip.	1076770/pir||S47582 4.0e-19 high-affinity potassium uptake transporter - wheat >gi_567062 (U16709) HKT1 [Triticum aestivum] >gi_746339_prf__2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85226	Strand	+
Start	32230	End	33953
Name	OJ991117_01.0403.C9.o10.np	Method	AAT/NAP
Start	31940	End	33953
GI	1076770	Score	1126
Exons	31940..31977, 32235..33331, 33416..33646, 33755..33953		
GI Descrip.	high-affinity potassium uptake transporter - wheat gi|567062 (U16709) HKT1 [Triticum aestivum] gi|746339|prf||2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85226	Strand	+
Start	32230	End	33953
Name	OJ991117_01.0403.C9.o6.gs	Method	GENSCAN
Start	32230	End	33950
GI	none	Score	.74
Exons	32230..32910, 32964..33080, 33114..33331, 33416..33646, 33755..33950		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85227	Strand	+
Start	36607	End	37684
Name	OJ991117_01.0403.C9.o7.gs	Method	GENSCAN
Start	36607	End	37684

GI	none	Score	.74
Exons	36607..36822, 36948..37017, 37041..37153, 37190..37684		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85228	Strand	+
Start	38267	End	41278
Name	OJ991117_01.0403.C9.o12.np	Method	AAT/NAP
Start	38267	End	41149
GI	7340916	Score	532
Exons	38267..38421, 39786..40075, 40991..41149		
GI Descrip.	(AP001550) ESTs AU069293(C53946),AU077613(E20660) correspond to a region of the predicted gene.; Similar to Zea mays acidic ribosomal protein (U62751) [Oryza sativa]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85228	Strand	+
Start	38267	End	41278
Name	OJ991117_01.0403.C9.o5.gp	Method	AAT/GAP
Start	39799	End	41278
GI	18570_1.R1084	Score	990
Exons	39799..40075, 40991..41278		
GI Descrip.	'2431767 7.0e-16 (U62751) acidic ribosomal protein P3a [Zea mays]'		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85229	Strand	-
Start	1	End	115
Name	OJ991117_01.0403.C9.o1.gp	Method	AAT/GAP
Start	1	End	115
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	1..115		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85230	Strand	-
Start	5016	End	12899
Name	OJ991117_01.0403.C9.o2.gs	Method	GENSCAN
Start	5016	End	11319
GI	none	Score	.62
Exons	5016..5153, 6161..6235, 6247..6458, 8697..8722, 9255..9390, 9657..9794, 9919..9971, 10996..11174, 11200..11319		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85230	Strand	-
Start	5016	End	12899
Name	OJ991117_01.0403.C9.o2.np	Method	AAT/NAP
Start	6120	End	7069
GI	7228450	Score	123
Exons	6120..6235, 6338..6458, 6614..6686, 6947..7069		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85230	Strand	-
Start	5016	End	12899
Name	OJ991117_01.0403.C9.o2.gp	Method	AAT/GAP

Start	9191	End	9341
GI	uC-osflcyp169h02b1	Score	189
Exons	9191..9341		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85230	Strand	-
Start	5016	End	12899
Name	OJ991117_01.0403.C9.o3.np	Method	AAT/NAP
Start	9216	End	12899
GI	6063557	Score	422
Exons	9216..9363, 9613..9801, 12867..12899		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85231	Strand	-
Start	29370	End	29774
Name	OJ991117_01.0403.C9.o4.gp	Method	AAT/GAP
Start	29370	End	29774
GI	5803428	Score	746
Exons	29370..29774		
GI Descrip.	1076770/pir||S47582 2.0e-27 high-affinity potassium uptake transporter - wheat >gi_567062 (U16709) HKT1 [Triticum aestivum] >gi_746339_prf__2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	21226	End	21451
GI	none	Score	218
Exons	21226..21450, 21227..21451		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	21788	End	26671
GI	none	Score	308
Exons	21788..22063, 21793..21939, 26486..26671		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	21797	End	26674
GI	none	Score	166
Exons	21797..21982, 26482..26673, 26486..26674		

Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	28577	End	33614
GI	none	Score	164

Exons	28577..28768, 28602..28796, 28868..28906, 28884..28958, 28949..29080, 33162..33290, 33200..33340, 33504..33614		
Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o8.gs	Method	GENSCAN
Start	38082	End	40102
GI	none	Score	.62
Exons	38082..38166, 38486..38881, 39319..39402, 39828..40102		
Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	39821	End	40078
GI	none	Score	233
Exons	39821..40078, 39874..39942, 40024..40077		
Seq. No.	41145	Seq. ID	OJ991117_01.0403.C9
Gene No.	85232	Strand	-
Start	38082	End	40102
Name	OJ991117_01.0403.C9.o2.tw	Method	TBLASTX:Wheat
Start	39871	End	40084
GI	none	Score	197
Exons	39871..39942, 39872..40084, 40024..40077		
Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85233	Strand	+
Start	137	End	10696
Name	OJ991117_01.0403.C10.o1.gs	Method	GENSCAN
Start	137	End	10696
GI	none	Score	.93
Exons	137..196, 4421..4681, 4782..4868, 5011..5100, 5176..5302, 5455..5555, 5649..5817, 5930..6051, 6577..6705, 6796..6894, 6979..7036, 7111..7186, 7273..7399, 7480..7637, 8674..8746, 8830..9024, 9309..9402, 9858..10696		
Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85233	Strand	+
Start	137	End	10696
Name	OJ991117_01.0403.C10.o1.np	Method	AAT/NAP
Start	4430	End	8277
GI	3025194	Score	188
Exons	4430..4681, 4782..4868, 5011..5100, 5176..5318, 5591..5878, 8251..8277		
GI Descrip.	HYPOTHETICAL PROTEIN IN HYDROGENASE 1 5'REGION gi|481588|pir||S38903 hypothetical protein 1 - Clostridium pasteurianum (fragment) gi|431947|emb|CAA82208.1| (Z28353) Similar to ABC1 gene of yeast (SW: ABC1_Yeast) [Clostridium pasteurianum]		
Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85233	Strand	+
Start	137	End	10696
Name	OJ991117_01.0403.C10.o1.gp	Method	AAT/GAP
Start	5628	End	6606

GI	62933_1.R1084	Score	585
Exons	5628..5817, 5930..6051, 6577..6606		
GI Descrip.	'4938478/emb|CAB43837.1| 6.0e-48 (AL078464) proteinase-like protein [Arabidopsis thaliana]'		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85233	Strand	+
Start	137	End	10696
Name	OJ991117_01.0403.C10.o2.gp	Method	AAT/GAP
Start	6979	End	7524
GI	none	Score	544
Exons	6979..7036, 7111..7186, 7273..7399, 7480..7524		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85233	Strand	+
Start	137	End	10696
Name	OJ991117_01.0403.C10.o3.gp	Method	AAT/GAP
Start	8954	End	10341
GI	none	Score	1249
Exons	8954..9024, 9309..9402, 9858..10341		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85234	Strand	+
Start	12231	End	18079
Name	OJ991117_01.0403.C10.o2.gs	Method	GENSCAN
Start	12231	End	18079
GI	none	Score	.83
Exons	12231..12347, 12775..12879, 13152..13268, 13487..13627, 14248..14347, 14642..14769, 14881..14952, 15458..15575, 15785..15909, 16417..16523, 16756..16861, 16955..17014, 17586..17825, 17942..18079		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85234	Strand	+
Start	12231	End	18079
Name	OJ991117_01.0403.C10.o5.gp	Method	AAT/GAP
Start	13184	End	14775
GI	2427833	Score	817
Exons	13184..13268, 13487..13627, 14248..14347, 14642..14775		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85235	Strand	-
Start	10301	End	10926
Name	OJ991117_01.0403.C10.o4.gp	Method	AAT/GAP
Start	10301	End	10926
GI	none	Score	1164
Exons	10301..10926		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o5.tm	Method	TBLASTX:Maize
Start	4658	End	5553
GI	none	Score	44
Exons	4658..4684, 4780..4872, 4781..4870, 4785..4880, 5011..5100, 5011..5100, 5169..5303, 5173..5307, 5173..5307, 5174..5320, 5454..5552, 5454..5552, 5467..5553		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	5517	End	6051
GI	none	Score	44
Exons	5517..5555, 5526..5555, 5640..5798, 5648..5797, 5667..5801, 5789..5824, 5790..5819, 5917..5988, 5928..6050, 5929..6051		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o3.tm	Method	TBLASTX:Maize
Start	5658	End	6855
GI	none	Score	152
Exons	5658..5816, 5659..5817, 5660..5824, 5661..5819, 5928..6050, 5929..6075, 5930..6052, 6114..6173, 6574..6705, 6576..6707, 6577..6705, 6789..6854, 6793..6837, 6796..6855, 6800..6853		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o2.tc	Method	TBLASTX:Cress
Start	6811	End	7605
GI	none	Score	111
Exons	6811..6897, 6979..7065, 7092..7187, 7109..7210, 7126..7188, 7273..7356, 7274..7363, 7492..7518, 7573..7605		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	7109	End	7638
GI	none	Score	108
Exons	7109..7186, 7110..7187, 7114..7188, 7117..7188, 7131..7190, 7271..7399, 7272..7400, 7273..7410, 7274..7402, 7477..7638, 7479..7637		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	7272	End	7539
GI	none	Score	120
Exons	7272..7400, 7274..7402, 7280..7405, 7452..7538, 7459..7536, 7477..7539, 7479..7538		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	7498	End	8865
GI	none	Score	230
Exons	7498..7638, 7498..7632, 7506..7637, 8692..8718, 8821..8865		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10

Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o6.tm	Method	TBLASTX:Maize
Start	9840	End	10185
GI	none	Score	82
Exons	9840..9974, 9855..9980, 9856..10050, 9857..10051, 9926..10114, 10044..10118, 10065..10115, 10147..10185, 10148..10180		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o7.tm	Method	TBLASTX:Maize
Start	12772	End	13537
GI	none	Score	70
Exons	12772..12882, 12773..12883, 12774..12881, 12799..12882, 13145..13270, 13148..13270, 13149..13271, 13417..13536, 13487..13537		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o4.tm	Method	TBLASTX:Maize
Start	14229	End	15328
GI	none	Score	155
Exons	14229..14360, 14230..14361, 14245..14346, 14636..14752, 14646..14771, 14647..14769, 14647..14772, 14655..14771, 14869..14952, 14879..14947, 15060..15128, 15061..15135, 15062..15133, 15276..15326, 15277..15327, 15278..15328		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	14245	End	15481
GI	none	Score	112
Exons	14245..14331, 14247..14333, 14639..14770, 14640..14753, 14640..14771, 14641..14769, 14869..14955, 14878..14958, 14880..14978, 15274..15336, 15275..15334, 15445..15480, 15446..15481		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	16136	End	18076
GI	none	Score	86
Exons	16136..16207, 16136..16207, 16137..16217, 16141..16218, 16153..16215, 16735..16869, 16742..16870, 16954..17016, 16955..17017, 17420..17503, 17421..17504, 17422..17502, 17570..17683, 17571..17828, 17577..17801, 17735..17836, 17939..18076, 17944..18075		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	16139	End	17505

GI	none	Score	67
Exons	16139..16204, 16140..16214, 16153..16260, 16754..16870, 16756..16869, 16954..17016, 16955..17017, 16955..17014, 17417..17503, 17420..17503, 17425..17505		

Seq. No.	41146	Seq. ID	OJ991117_01.0403.C10
Gene No.	85236	Strand	-
Start	17944	End	18308
Name	OJ991117_01.0403.C10.o6.gp	Method	AAT/GAP
Start	17944	End	18308
GI	uC-osflcyp134g02a1	Score	718
Exons	17944..18308		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85237	Strand	+
Start	416	End	3901
Name	OJ991117_01.0403.C11.o1.gp	Method	AAT/GAP
Start	416	End	3901
GI	472_1.R1084	Score	3304
Exons	416..539, 1679..1751, 1861..1967, 2052..2482, 2895..3901		
GI Descrip.	'547712/sp|P35683|IF4A_ORYSA 0.0e+00 EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) >gi_542153_pir__S38358 translation initiation factor eIF-4A - rice >gi_303844_dbj_BAA02152_ (D12627) eukaryotic initiation factor 4A [Oryza sativa]'		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85237	Strand	+
Start	416	End	3901
Name	OJ991117_01.0403.C11.o1.np	Method	AAT/NAP
Start	1681	End	3527
GI	547712	Score	1971
Exons	1681..1751, 1861..1967, 2052..2482, 2895..3527		
GI Descrip.	EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) gi|542153|pir||S38358 translation initiation factor eIF-4A - rice gi|303844|dbj|BAA02152.1| (D12627) eukaryotic initiation factor 4A [Oryza sativa]		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85237	Strand	+
Start	416	End	3901
Name	OJ991117_01.0403.C11.o2.gs	Method	GENSCAN
Start	1681	End	3530
GI	none	Score	.97
Exons	1681..1751, 1861..1967, 2052..2113, 2177..2482, 2895..3530		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85238	Strand	+
Start	4905	End	7886
Name	OJ991117_01.0403.C11.o2.np	Method	AAT/NAP
Start	4905	End	7886
GI	6554203	Score	81
Exons	4905..5110, 7863..7886		
GI Descrip.	(AC011661) T23J18.3 [Arabidopsis thaliana]		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85239	Strand	-
Start	354	End	483
Name	OJ991117_01.0403.C11.o1.gs	Method	GENSCAN
Start	354	End	483
GI	none	Score	.58
Exons	354..483		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-
Start	4883	End	5967
Name	OJ991117_01.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	1648	End	3534
GI	none	Score	112
Exons	1648..1752, 1671..1745, 1877..1969, 1877..1969, 1878..1970, 2050..2481, 2051..2485, 2892..3521, 2894..3526, 3448..3534		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-
Start	4883	End	5967
Name	OJ991117_01.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	1663	End	3531
GI	none	Score	93
Exons	1663..1758, 1681..1758, 1877..1969, 1881..1967, 2038..2478, 2050..2478, 2051..2485, 2892..3521, 2894..3529, 3448..3531		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-
Start	4883	End	5967
Name	OJ991117_01.0403.C11.o2.tw	Method	TBLASTX:Wheat
Start	1675	End	2266
GI	none	Score	119
Exons	1675..1752, 1680..1754, 1681..1755, 1860..1967, 1861..1968, 1862..1969, 1863..1970, 2040..2213, 2050..2265, 2051..2266		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-
Start	4883	End	5967
Name	OJ991117_01.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	1675	End	3893
GI	none	Score	130
Exons	1675..1752, 1677..1748, 1678..1758, 1868..1969, 1869..1967, 1924..1968, 2050..2481, 2051..2485, 2051..2482, 2892..3521, 2892..3533, 2894..3538, 3260..3544, 3662..3715, 3732..3815, 3744..3815, 3822..3893		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-
Start	4883	End	5967
Name	OJ991117_01.0403.C11.o1.tw	Method	TBLASTX:Wheat
Start	2267	End	3555
GI	none	Score	364
Exons	2267..2485, 2267..2482, 2269..2496, 2892..3521, 2894..3526, 3260..3529, 3448..3555		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-

Start	4883	End	5967
Name	OJ991117_01.0403.C11.o3.gs	Method	GENSCAN
Start	4883	End	5967
GI	none	Score	.63
Exons	4883..5173, 5218..5472, 5567..5664, 5919..5967		

Seq. No.	41147	Seq. ID	OJ991117_01.0403.C11
Gene No.	85240	Strand	-
Start	4883	End	5967
Name	OJ991117_01.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	5176	End	5440
GI	none	Score	199
Exons	5176..5379, 5177..5395, 5380..5427, 5380..5424, 5381..5440		

Seq. No.	41148	Seq. ID	OJ991117_01.0403.C12
Gene No.	85241	Strand	-
Start	5654	End	6171
Name	OJ991117_01.0403.C12.o1.gp	Method	AAT/GAP
Start	5009	End	5115
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	5009..5115		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41148	Seq. ID	OJ991117_01.0403.C12
Gene No.	85241	Strand	-
Start	5654	End	6171
Name	OJ991117_01.0403.C12.o2.gs	Method	GENSCAN
Start	5654	End	6171
GI	none	Score	.72
Exons	5654..5985, 6036..6171		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85242	Strand	+
Start	1196	End	8782
Name	OJ991117_01.0403.C13.o1.gs	Method	GENSCAN
Start	1196	End	8782
GI	none	Score	.74
Exons	1196..1390, 1677..1847, 1871..1920, 2948..3211, 3714..3857, 4689..4786, 5295..5550, 5654..5791, 5891..6218, 6289..6491, 6765..6961, 7057..8440, 8697..8782		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85242	Strand	+
Start	1196	End	8782
Name	OJ991117_01.0403.C13.o1.np	Method	AAT/NAP
Start	1737	End	8583
GI	7488066	Score	2051
Exons	1737..1920, 2948..3211, 4689..4786, 5295..5550, 5654..5791, 5891..6218, 6289..6491, 6759..6961, 7057..7686, 8047..8583		
GI Descrip.	probable cadmium-transporting ATPase (EC 3.6.1.-) F6G3.140 - Arabidopsis thaliana gi|4938487|emb|CAB43846.1| (AL078464) cadmium-transporting ATPase-like protein [Arabidopsis thaliana] gi|7269911|emb|CAB81004.1| (AL161576) cadmium-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85242	Strand	+
Start	1196	End	8782
Name	OJ991117_01.0403.C13.o1.gp	Method	AAT/GAP
Start	6328	End	7213
GI	26180_1.R1084	Score	971
Exons	6328..6491, 6765..6961, 7057..7213		
GI Descrip.	'4938487/emb|CAB43846.1| 8.0e-47 (AL078464) cadmium-transporting ATPase-like protein [Arabidopsis thaliana]'		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85242	Strand	+
Start	1196	End	8782
Name	OJ991117_01.0403.C13.o2.gp	Method	AAT/GAP
Start	7357	End	8324
GI	13490_1.R1084	Score	1798
Exons	7357..8324		
GI Descrip.	'123530/sp|P04929|HRPX_PLALO 8.0e-10 HISTIDINE-RICH GLYCOPROTEIN PRECURSOR >gi_72400_pir__KGZQHL histidine-rich glycoprotein precursor - Plasmodium lophurae >gi_9999_emb_CAA25698_ (X01469) histidine-rich protein [Plasmodium lophurae] >gi_224316_prf__1101401A protein,His rich [Plasmodium sp.]'		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85243	Strand	+
Start	9668	End	9785
Name	OJ991117_01.0403.C13.o3.np	Method	AAT/NAP
Start	9668	End	9785
GI	6983864	Score	49
Exons	9668..9705, 9733..9785		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o2.tc	Method	TBLASTX:Cress
Start	1755	End	3141
GI	none	Score	194
Exons	1755..1928, 1757..1918, 2950..3012, 2997..3131, 2998..3141		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o3.tm	Method	TBLASTX:Maize
Start	3169	End	5675
GI	none	Score	64
Exons	3169..3210, 4684..4785, 4685..4786, 4686..4787, 4699..4788, 5287..5367, 5293..5388, 5294..5551, 5295..5558, 5652..5675		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o3.tc	Method	TBLASTX:Cress
Start	5367	End	6171
GI	none	Score	148
Exons	5367..5558, 5644..5793, 5965..6171, 5982..6170		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	5923	End	6487
GI	none	Score	449
Exons	5923..6219, 5923..6129, 5925..6218, 6264..6482, 6288..6482, 6289..6483, 6320..6487		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o2.ts	Method	TBLASTX:Soybean
Start	6054	End	6409
GI	none	Score	169
Exons	6054..6170, 6064..6219, 6279..6332, 6319..6384, 6320..6409		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o1.tw	Method	TBLASTX:Wheat
Start	6781	End	7275
GI	none	Score	169
Exons	6781..6921, 6781..6957, 6782..6961, 7054..7275, 7054..7275		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o4.tm	Method	TBLASTX:Maize
Start	6797	End	7250
GI	none	Score	219
Exons	6797..6961, 6799..6957, 7003..7248, 7054..7245, 7074..7250, 7143..7250		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	7054	End	7503
GI	none	Score	89
Exons	7054..7137, 7132..7503, 7135..7293, 7143..7502		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	7246	End	7475
GI	4290223	Score	219
Exons	7246..7473, 7263..7475		
GI Descrip.	4210504 9.0e-19 (AC002392) putative cadmium-transporting ATPase [Arabidopsis thaliana]		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o2.tm	Method	TBLASTX:Maize
Start	7273	End	8187

GI	none	Score	277
Exons	7273..7497, 7287..7472, 7563..7613, 7582..7608, 7649..7696, 7700..7753, 7711..7743, 7711..7821, 7714..7785, 7720..7818, 7723..7758, 7732..7830, 7732..7809, 7738..7806, 7795..7896, 7796..7894, 7813..7875, 7814..7873, 7815..7874, 7821..7895, 7843..7884, 7865..7882, 7866..7943, 7866..7883, 7867..7968, 7867..7965, 7868..7924, 7868..8059, 7896..7967, 7897..7968, 7919..8005, 7935..8006, 7950..8006, 8000..8083, 8009..8077, 8047..8100, 8047..8100, 8059..8172, 8059..8100, 8080..8187, 8092..8154, 8095..8163, 8101..8166		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o4.np	Method	AAT/NAP
Start	9657	End	11311
GI	6016874	Score	374
Exons	9657..9732, 11054..11311		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	41149	Seq. ID	OJ991117_01.0403.C13
Gene No.	85244	Strand	-
Start	9657	End	11311
Name	OJ991117_01.0403.C13.o2.gs	Method	GENSCAN
Start	11061	End	11306
GI	none	Score	.94
Exons	11061..11306		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o1.np	Method	AAT/NAP
Start	1	End	2186
GI	6016874	Score	1819
Exons	1..349, 467..646, 1040..1199, 1590..1822, 1887..2024, 2108..2186		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o1.gs	Method	GENSCAN
Start	6	End	2186
GI	none	Score	.68
Exons	6..466, 1040..1199, 1590..1822, 1887..2024, 2108..2186		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	72	End	315
GI	none	Score	103
Exons	72..305, 157..315		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o4.tm	Method	TBLASTX:Maize
Start	427	End	779
GI	none	Score	139
Exons	427..768, 498..779		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o3.tm	Method	TBLASTX:Maize
Start	984	End	1298
GI	none	Score	108
Exons	984..1211, 985..1203, 1224..1298		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o1.gp	Method	AAT/GAP
Start	989	End	1497
GI	uC-osflcyp110c07b1	Score	970
Exons	989..1497		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	41150	Seq. ID	OJ991117_01.0403.C14
Gene No.	85245	Strand	-
Start	1	End	2186
Name	OJ991117_01.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	1392	End	1838
GI	none	Score	110
Exons	1392..1430, 1425..1481, 1518..1766, 1558..1767, 1752..1838		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85246	Strand	+
Start	1	End	311
Name	OJ991117_01.0403.C15.o1.gp	Method	AAT/GAP
Start	1	End	311
GI	none	Score	107
Exons	1..66, 280..311		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85247	Strand	+
Start	1281	End	3997
Name	OJ991117_01.0403.C15.o1.np	Method	AAT/NAP
Start	1281	End	3997
GI	7487281	Score	781
Exons	1281..1650, 1900..1998, 2378..2478, 2553..2624, 2782..2872, 3066..3166, 3634..3676, 3760..3997		
GI Descrip.	hypothetical protein T20K24.18 - Arabidopsis thaliana gi|3176725|gb|AAD12039.1| (AC002392) unknown protein [Arabidopsis thaliana]		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85247	Strand	+

Start	1281	End	3997
Name	OJ991117_01.0403.C15.o1.gs	Method	GENSCAN
Start	1400	End	3788
GI	none	Score	.58
Exons	1400..1650, 1900..1998, 2521..2624, 2782..2872, 3066..3146, 3584..3676, 3715..3788		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85248	Strand	-
Start	1204	End	3853
Name	OJ991117_01.0403.C15.o2.gp	Method	AAT/GAP
Start	1204	End	1526
GI	none	Score	549
Exons	1204..1526		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85248	Strand	-
Start	1204	End	3853
Name	OJ991117_01.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	1314	End	3853
GI	none	Score	490
Exons	1314..1649, 1315..1650, 1321..1650, 1891..2004, 1893..2027, 2370..2477, 2376..2477, 2378..2485, 2542..2622, 2550..2633, 2551..2622, 2583..2624, 2778..2870, 2780..2872, 2783..2872, 3062..3145, 3063..3146, 3063..3149, 3065..3151, 3614..3679, 3616..3675, 3753..3851, 3760..3852, 3761..3853		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85248	Strand	-
Start	1204	End	3853
Name	OJ991117_01.0403.C15.o1.ts	Method	TBLASTX:Soybean
Start	1912	End	3664
GI	none	Score	95
Exons	1912..2004, 2376..2462, 2377..2478, 2378..2485, 2548..2637, 2551..2622, 2770..2871, 2771..2872, 3038..3082, 3062..3145, 3063..3134, 3614..3664		

Seq. No.	41151	Seq. ID	OJ991117_01.0403.C15
Gene No.	85248	Strand	-
Start	1204	End	3853
Name	OJ991117_01.0403.C15.o1.tc	Method	TBLASTX:Cress
Start	2375	End	3804
GI	none	Score	145
Exons	2375..2470, 2378..2494, 2551..2622, 2768..2854, 2770..2892, 2771..2872, 3059..3151, 3063..3146, 3614..3679, 3616..3681, 3753..3803, 3760..3804		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85249	Strand	+
Start	5041	End	5835
Name	OJ991107_46.0310.C1.o1.gp	Method	AAT/GAP
Start	4297	End	4936
GI	61605_3.R1084	Score	460
Exons	4297..4313, 4578..4839, 4899..4936		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85249	Strand	+
Start	5041	End	5835
Name	OJ991107_46.0310.C1.o2.gs	Method	GENSCAN
Start	5041	End	5835
GI	none	Score	.8
Exons	5041..5835		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85250	Strand	+
Start	5924	End	10013
Name	OJ991107_46.0310.C1.o3.gp	Method	AAT/GAP
Start	5924	End	10013
GI	342_1.R1084	Score	6245
Exons	5924..6364, 6462..10013		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85250	Strand	+
Start	5924	End	10013
Name	OJ991107_46.0310.C1.o2.gp	Method	AAT/GAP
Start	6610	End	7067
GI	LIB3431-028-P1-N1-A10	Score	679
Exons	6610..6680, 6708..7067		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85251	Strand	+
Start	11882	End	12103
Name	OJ991107_46.0310.C1.o4.gs	Method	GENSCAN
Start	11882	End	12103
GI	none	Score	.6
Exons	11882..12103		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85252	Strand	-
Start	1	End	3947
Name	OJ991107_46.0310.C1.o1.np	Method	AAT/NAP
Start	1	End	791
GI	4680204	Score	345
Exons	1..791		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85252	Strand	-
Start	1	End	3947
Name	OJ991107_46.0310.C1.o1.gs	Method	GENSCAN
Start	315	End	2769
GI	none	Score	.41
Exons	315..776, 2412..2604, 2633..2769		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85252	Strand	-
Start	1	End	3947
Name	OJ991107_46.0310.C1.o2.np	Method	AAT/NAP

Start	964	End	3947
GI	5852179	Score	426
Exons	964..1012, 2431..2655, 2729..2936, 3927..3947		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o3.np	Method	AAT/NAP
Start	6694	End	10017
GI	4680203	Score	3123
Exons	6694..7684, 7961..8191, 8345..10017		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o1.tw	Method	TBLASTX:Wheat
Start	6802	End	8078
GI	none	Score	123
Exons	6802..6819, 6842..6922, 6934..7044, 6935..7075, 6936..7076, 7055..7114, 7068..7118, 7121..7144, 7121..7165, 7126..7185, 7175..7492, 7190..8077, 7191..8078		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o3.gs	Method	GENSCAN
Start	6818	End	10880
GI	none	Score	.49
Exons	6818..7729, 7907..8280, 8330..8456, 8461..9315, 9324..9377, 9490..9862, 10461..10566, 10784..10880		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	7342	End	7794
GI	none	Score	83
Exons	7342..7593, 7343..7492, 7343..7786, 7347..7790, 7368..7790, 7612..7794		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o2.tm	Method	TBLASTX:Maize
Start	7686	End	8164
GI	none	Score	64
Exons	7686..7895, 7688..8164, 7949..8026		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o4.tw	Method	TBLASTX:Wheat
Start	8079	End	8488
GI	none	Score	81
Exons	8079..8165, 8081..8170, 8081..8164, 8198..8440, 8238..8420,		

8443..8487, 8444..8488

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	8593	End	9051
GI	none	Score	100
Exons	8593..8787, 8797..9051, 8797..9039		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o2.tw	Method	TBLASTX:Wheat
Start	8627	End	9096
GI	none	Score	154
Exons	8627..8833, 8627..8746, 8632..8835, 8632..8856, 8834..8917, 8836..8934, 8837..8929, 8938..9042, 8942..9043, 9040..9096, 9044..9088		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o2.tc	Method	TBLASTX:Cress
Start	8884	End	9232
GI	none	Score	66
Exons	8884..9225, 8903..9031, 9080..9232		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	8965	End	9394
GI	none	Score	102
Exons	8965..9261, 8983..9207, 9319..9393, 9329..9394		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o3.tw	Method	TBLASTX:Wheat
Start	9311	End	9711
GI	none	Score	194
Exons	9311..9568, 9321..9557, 9323..9565, 9325..9576, 9559..9711, 9573..9692		

Seq. No.	41152	Seq. ID	OJ991107_46.0310.C1
Gene No.	85253	Strand	-
Start	6818	End	11597
Name	OJ991107_46.0310.C1.o4.gp	Method	AAT/GAP
Start	10585	End	11597
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	10585..10630, 11542..11597		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41153	Seq. ID	OJ991107_46.0310.C2

Gene No.	85254	Strand	+
Start	865	End	5035
Name	OJ991107_46.0310.C2.o1.np	Method	AAT/NAP
Start	865	End	5035
GI	6642643	Score	755
Exons	865..987, 1063..1443, 1729..1819, 2989..3142, 4829..5035		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	41153	Seq. ID	OJ991107_46.0310.C2
Gene No.	85254	Strand	+
Start	865	End	5035
Name	OJ991107_46.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	892	End	1302
GI	none	Score	141
Exons	892..975, 893..985, 914..976, 1100..1300, 1171..1302		

Seq. No.	41153	Seq. ID	OJ991107_46.0310.C2
Gene No.	85254	Strand	+
Start	865	End	5035
Name	OJ991107_46.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	892	End	1300
GI	none	Score	143
Exons	892..972, 893..985, 899..976, 1100..1300, 1102..1293		

Seq. No.	41153	Seq. ID	OJ991107_46.0310.C2
Gene No.	85254	Strand	+
Start	865	End	5035
Name	OJ991107_46.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	1100	End	5029
GI	none	Score	310
Exons	1100..1309, 1102..1305, 2986..3132, 2990..3136, 4826..5029, 4843..5025		

Seq. No.	41153	Seq. ID	OJ991107_46.0310.C2
Gene No.	85254	Strand	+
Start	865	End	5035
Name	OJ991107_46.0310.C2.o2.tc	Method	TBLASTX:Cress
Start	3040	End	5029
GI	none	Score	152
Exons	3040..3141, 3041..3145, 4822..4983, 4828..5022, 4829..5029		

Seq. No.	41153	Seq. ID	OJ991107_46.0310.C2
Gene No.	85254	Strand	+
Start	865	End	5035
Name	OJ991107_46.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	3055	End	5011
GI	none	Score	116
Exons	3055..3135, 3056..3136, 4823..4900, 4826..4897, 4836..4910, 4898..5011, 4907..4969, 4915..5010		

Seq. No.	41154	Seq. ID	OJ991107_46.0310.C3
Gene No.	85255	Strand	+
Start	4784	End	8923
Name	OJ991107_46.0310.C3.o1.gs	Method	GENSCAN
Start	4784	End	8923
GI	none	Score	.52
Exons	4784..4992, 5107..5222, 5755..5846, 7755..7816, 8057..8108,		

8814..8923

Seq. No.	41154	Seq. ID	OJ991107_46.0310.C3
Gene No.	85256	Strand	-
Start	4732	End	5298
Name	OJ991107_46.0310.C3.o1.gp	Method	AAT/GAP
Start	4732	End	5298
GI	none	Score	904
Exons	4732..5049, 5137..5298		

Seq. No.	41154	Seq. ID	OJ991107_46.0310.C3
Gene No.	85257	Strand	-
Start	10258	End	10479
Name	OJ991107_46.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	4774	End	4956
GI	none	Score	173
Exons	4774..4956, 4787..4954		

Seq. No.	41154	Seq. ID	OJ991107_46.0310.C3
Gene No.	85257	Strand	-
Start	10258	End	10479
Name	OJ991107_46.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	4780	End	4960
GI	none	Score	165
Exons	4780..4959, 4814..4960		

Seq. No.	41154	Seq. ID	OJ991107_46.0310.C3
Gene No.	85257	Strand	-
Start	10258	End	10479
Name	OJ991107_46.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	4780	End	4956
GI	none	Score	204
Exons	4780..4956, 4781..4954		

Seq. No.	41154	Seq. ID	OJ991107_46.0310.C3
Gene No.	85257	Strand	-
Start	10258	End	10479
Name	OJ991107_46.0310.C3.o1.np	Method	AAT/NAP
Start	10258	End	10479
GI	5295951	Score	216
Exons	10258..10479		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85258	Strand	+
Start	16345	End	24445
Name	OJ991107_46.0310.C4.o1.np	Method	AAT/NAP
Start	16259	End	16336
GI	6630699	Score	70
Exons	16259..16336		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85258	Strand	+

Start	16345	End	24445
Name	OJ991107_46.0310.C4.o3.gs	Method	GENSCAN
Start	16345	End	24445
GI	none	Score	.65
Exons	16345..16390, 16518..16712, 16919..16952, 16995..17111, 17168..17279, 18508..19969, 20256..20387, 20466..20719, 21444..21533, 21986..22078, 22674..22718, 22828..22913, 23590..23703, 23770..23943, 24136..24445		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85258	Strand	+
Start	16345	End	24445
Name	OJ991107_46.0310.C4.o2.np	Method	AAT/NAP
Start	18390	End	19999
GI	100488	Score	1192
Exons	18390..18433, 18516..19999		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85258	Strand	+
Start	16345	End	24445
Name	OJ991107_46.0310.C4.o4.np	Method	AAT/NAP
Start	22600	End	23944
GI	6630699	Score	77
Exons	22600..22632, 23858..23944		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85259	Strand	-
Start	9680	End	14478
Name	OJ991107_46.0310.C4.o2.gs	Method	GENSCAN
Start	9680	End	14478
GI	none	Score	.46
Exons	9680..10007, 12322..12403, 14235..14478		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85260	Strand	-
Start	20718	End	23235
Name	OJ991107_46.0310.C4.o3.np	Method	AAT/NAP
Start	20718	End	23235
GI	5922620	Score	509
Exons	20718..20843, 21619..21715, 21752..22067, 22228..22265, 23185..23235		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	18904	End	19218
GI	none	Score	249

Exons	18904..19218, 18964..19143		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o2.tw	Method	TBLASTX:Wheat
Start	18943	End	19350
GI	none	Score	152
Exons	18943..19227, 19237..19350		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	19252	End	19584
GI	none	Score	310
Exons	19252..19584, 19252..19344, 19338..19400, 19429..19563		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o2.ts	Method	TBLASTX:Soybean
Start	19261	End	19503
GI	none	Score	194
Exons	19261..19503		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o1.tw	Method	TBLASTX:Wheat
Start	19360	End	19671
GI	none	Score	291
Exons	19360..19671, 19416..19565, 19590..19667		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	19413	End	19869
GI	none	Score	269
Exons	19413..19655, 19414..19671, 19678..19869		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-
Start	24083	End	25853
Name	OJ991107_46.0310.C4.o5.np	Method	AAT/NAP
Start	24083	End	25853
GI	5922620	Score	158
Exons	24083..24219, 25350..25418, 25799..25853		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41155	Seq. ID	OJ991107_46.0310.C4
Gene No.	85261	Strand	-

Start	24083	End	25853
Name	OJ991107_46.0310.C4.o4.gs	Method	GENSCAN
Start	25239	End	25646
GI	none	Score	.74
Exons	25239..25358, 25566..25646		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.gs	Method	GENSCAN
Start	143	End	2913
GI	none	Score	.47
Exons	143..227, 300..358, 644..1707, 1983..2520, 2740..2913		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.np	Method	AAT/NAP
Start	644	End	2764
GI	4680203	Score	1442
Exons	644..2217, 2260..2352, 2506..2764		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.tw	Method	TBLASTX:Wheat
Start	998	End	1678
GI	none	Score	208
Exons	998..1396, 1237..1398, 1444..1539, 1445..1549, 1553..1678		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	1277	End	1696
GI	none	Score	119
Exons	1277..1396, 1279..1398, 1447..1692, 1448..1696		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.tc	Method	TBLASTX:Cress
Start	1444	End	1774
GI	none	Score	304
Exons	1444..1581, 1445..1774, 1618..1677, 1628..1732		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	1619	End	2061
GI	none	Score	232
Exons	1619..1864, 1669..1860, 1868..1996, 2002..2061		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+

Start	143	End	2958
Name	OJ991107_46.0310.C5.o3.tw	Method	TBLASTX:Wheat
Start	1679	End	1996
GI	none	Score	48
Exons	1679..1720, 1712..1822, 1721..1837, 1725..1823, 1729..1899, 1840..1995, 1868..1996		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o2.ts	Method	TBLASTX:Soybean
Start	1897	End	2130
GI	none	Score	114
Exons	1897..1995, 1898..1996, 2002..2130		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o4.tw	Method	TBLASTX:Wheat
Start	2269	End	2619
GI	none	Score	183
Exons	2269..2499, 2298..2498, 2535..2618, 2536..2619		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o3.tm	Method	TBLASTX:Maize
Start	2275	End	2490
GI	none	Score	166
Exons	2275..2421, 2304..2411, 2428..2490		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o1.gp	Method	AAT/GAP
Start	2608	End	2748
GI	5002953	Score	203
Exons	2608..2748		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o2.tw	Method	TBLASTX:Wheat
Start	2623	End	2958
GI	none	Score	281
Exons	2623..2958, 2667..2957		

Seq. No.	41156	Seq. ID	OJ991107_46.0310.C5
Gene No.	85262	Strand	+
Start	143	End	2958
Name	OJ991107_46.0310.C5.o2.tm	Method	TBLASTX:Maize
Start	2664	End	2958
GI	none	Score	257
Exons	2664..2939, 2665..2958		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85263	Strand	+
Start	1	End	11801
Name	OJ991107_46.0310.C6.o1.gp	Method	AAT/GAP
Start	1	End	1140
GI	5002953	Score	1071
Exons	1..479, 959..1140		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85263	Strand	+
Start	1	End	11801
Name	OJ991107_46.0310.C6.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	4680203	Score	548
Exons	1..1026		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85263	Strand	+
Start	1	End	11801
Name	OJ991107_46.0310.C6.o1.gs	Method	GENSCAN
Start	19	End	2329
GI	none	Score	.52
Exons	19..366, 493..970, 1347..1443, 1471..1486, 1529..2329		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85263	Strand	+
Start	1	End	11801
Name	OJ991107_46.0310.C6.o2.np	Method	AAT/NAP
Start	1539	End	4854
GI	5917666	Score	352
Exons	1539..2135, 2163..2297, 3871..3970, 4794..4854		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85263	Strand	+
Start	1	End	11801
Name	OJ991107_46.0310.C6.o2.gs	Method	GENSCAN
Start	2819	End	11801
GI	none	Score	.84
Exons	2819..2948, 3037..3770, 4008..4310, 4392..4697, 4699..5222, 5305..5475, 5642..5813, 6254..6292, 11643..11801		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85263	Strand	+
Start	1	End	11801
Name	OJ991107_46.0310.C6.o2.gp	Method	AAT/GAP
Start	5631	End	6152
GI	LIB3431-001-P1-N1-B5	Score	754
Exons	5631..5813, 5920..6152		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85264	Strand	-

Start	13862	End	15302
Name	OJ991107_46.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	27	End	408
GI	none	Score	195
Exons	27..185, 28..237, 256..408, 273..395		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85264	Strand	-
Start	13862	End	15302
Name	OJ991107_46.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	27	End	915
GI	none	Score	213
Exons	27..185, 28..237, 256..417, 273..413, 421..612, 456..596, 601..648, 652..693, 655..693, 717..794, 718..822, 823..915		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85264	Strand	-
Start	13862	End	15302
Name	OJ991107_46.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	11505	End	11795
GI	none	Score	156
Exons	11505..11702, 11559..11690, 11697..11795		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85264	Strand	-
Start	13862	End	15302
Name	OJ991107_46.0310.C6.o3.np	Method	AAT/NAP
Start	13832	End	15302
GI	5852182	Score	401
Exons	13832..14161, 15225..15302		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41157	Seq. ID	OJ991107_46.0310.C6
Gene No.	85264	Strand	-
Start	13862	End	15302
Name	OJ991107_46.0310.C6.o3.gs	Method	GENSCAN
Start	13862	End	14776
GI	none	Score	.69
Exons	13862..14161, 14570..14661, 14707..14776		

Seq. No.	41158	Seq. ID	OJ991107_46.0310.C7
Gene No.	85265	Strand	+
Start	555	End	1238
Name	OJ991107_46.0310.C7.o1.np	Method	AAT/NAP
Start	555	End	1238
GI	7340909	Score	141
Exons	555..933, 1080..1238		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41158	Seq. ID	OJ991107_46.0310.C7
Gene No.	85266	Strand	-
Start	735	End	1506
Name	OJ991107_46.0310.C7.o2.np	Method	AAT/NAP
Start	735	End	1506
GI	7340909	Score	168
Exons	735..854, 995..1375, 1480..1506		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41158	Seq. ID	OJ991107_46.0310.C7
Gene No.	85266	Strand	-
Start	735	End	1506
Name	OJ991107_46.0310.C7.o1.gs	Method	GENSCAN
Start	769	End	1117
GI	none	Score	.82
Exons	769..1117		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85267	Strand	+
Start	5014	End	7142
Name	OJ991117_20.0303.C6.o2.gs	Method	GENSCAN
Start	5014	End	7142
GI	none	Score	.66
Exons	5014..5207, 5480..5530, 5644..5896, 6042..6069, 6113..6417, 6993..7142		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85268	Strand	+
Start	20742	End	23565
Name	OJ991117_20.0303.C6.o5.gs	Method	GENSCAN
Start	20742	End	23565
GI	none	Score	.96
Exons	20742..20844, 20945..21188, 21544..21588, 22132..22199, 22296..22429, 22840..23565		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85269	Strand	+
Start	25811	End	26703
Name	OJ991117_20.0303.C6.o7.gs	Method	GENSCAN
Start	25811	End	26703
GI	none	Score	.55
Exons	25811..25816, 26002..26418, 26611..26703		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85269	Strand	+
Start	25811	End	26703
Name	OJ991117_20.0303.C6.o4.np	Method	AAT/NAP
Start	26063	End	26418
GI	2335106	Score	158
Exons	26063..26418		
GI Descrip.	(AC002339) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85270	Strand	-
Start	1169	End	3377
Name	OJ991117_20.0303.C6.o1.np	Method	AAT/NAP
Start	1075	End	2702
GI	6069646	Score	612
Exons	1075..2064, 2347..2702		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85270	Strand	-
Start	1169	End	3377
Name	OJ991117_20.0303.C6.o1.gs	Method	GENSCAN
Start	1169	End	3377
GI	none	Score	.43
Exons	1169..2638, 3252..3377		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85271	Strand	-
Start	7158	End	7651
Name	OJ991117_20.0303.C6.o1.gp	Method	AAT/GAP
Start	7158	End	7651
GI	LIB3433-015-Q6-K6-C4	Score	956
Exons	7158..7651		
GI Descrip.	'5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85272	Strand	-
Start	7563	End	9139
Name	OJ991117_20.0303.C6.o2.np	Method	AAT/NAP
Start	7563	End	9139
GI	4249380	Score	260
Exons	7563..7629, 8666..9139		
GI Descrip.	(AC005966) ESTs gb|Z37637, gb|AA042498 and gb|AA042269 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85272	Strand	-
Start	7563	End	9139
Name	OJ991117_20.0303.C6.o3.gs	Method	GENSCAN
Start	8570	End	9139
GI	none	Score	.46
Exons	8570..9139		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85273	Strand	-
Start	14040	End	19850
Name	OJ991117_20.0303.C6.o4.gs	Method	GENSCAN
Start	14040	End	19850
GI	none	Score	.6
Exons	14040..14217, 14720..15246, 15310..15411, 16668..16723, 17813..18098, 18162..18197, 18333..18599, 19197..19360, 19427..19850		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	1202	End	1549
GI	none	Score	171
Exons	1202..1249, 1361..1549		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-

Start	24760	End	25206
Name	OJ991117_20.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	1283	End	1562
GI	none	Score	119
Exons	1283..1558, 1365..1562		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o4.tm	Method	TBLASTX:Maize
Start	1895	End	2120
GI	none	Score	116
Exons	1895..2119, 1896..2120		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o2.ts	Method	TBLASTX:Soybean
Start	1973	End	2512
GI	none	Score	161
Exons	1973..2101, 2132..2155, 2162..2512		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	2051	End	2491
GI	none	Score	58
Exons	2051..2209, 2055..2144, 2189..2491, 2199..2489		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	2132	End	2701
GI	none	Score	83
Exons	2132..2701, 2199..2402, 2445..2585		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	8813	End	9140
GI	none	Score	49
Exons	8813..8896, 8826..8897, 9005..9139, 9015..9140		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	8816	End	9140
GI	none	Score	95
Exons	8816..8896, 9003..9140, 9005..9139		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206

Name	OJ991117_20.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	8840	End	9142
GI	none	Score	58
Exons	8840..8896, 8840..8896, 8978..9142, 8984..9073, 9003..9140		

Seq. No.	41159	Seq. ID	OJ991117_20.0303.C6
Gene No.	85274	Strand	-
Start	24760	End	25206
Name	OJ991117_20.0303.C6.o6.gs	Method	GENSCAN
Start	24760	End	25206
GI	none	Score	.45
Exons	24760..24811, 25070..25206		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85275	Strand	+
Start	2655	End	4665
Name	OJ991117_20.0303.C7.o1.gs	Method	GENSCAN
Start	2655	End	4665
GI	none	Score	.54
Exons	2655..2970, 4658..4665		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85276	Strand	+
Start	5560	End	7965
Name	OJ991117_20.0303.C7.o1.np	Method	AAT/NAP
Start	5536	End	7779
GI	7303287	Score	1520
Exons	5536..7779		
GI Descrip.	(AE003817) CG6197 gene product [Drosophila melanogaster]		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85276	Strand	+
Start	5560	End	7965
Name	OJ991117_20.0303.C7.o2.gs	Method	GENSCAN
Start	5560	End	7965
GI	none	Score	.65
Exons	5560..7965		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85277	Strand	+
Start	8415	End	9637
Name	OJ991117_20.0303.C7.o2.np	Method	AAT/NAP
Start	8415	End	9637
GI	6721543	Score	88
Exons	8415..8535, 9203..9278, 9597..9637		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o2.tc	Method	TBLASTX:Cress
Start	6508	End	6777
GI	none	Score	178
Exons	6508..6738, 6742..6777		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-

Start	8345	End	11525
Name	OJ991117_20.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	6514	End	7050
GI	none	Score	225
Exons	6514..6738, 6609..6737, 6741..6998, 6742..6999, 6957..7049, 6976..7050		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	6904	End	7278
GI	none	Score	77
Exons	6904..6999, 6957..7127, 6967..7278, 7146..7274		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	7161	End	7773
GI	none	Score	72
Exons	7161..7223, 7162..7221, 7222..7551, 7236..7550, 7554..7673, 7555..7674, 7681..7773, 7683..7751		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	7273	End	7608
GI	none	Score	257
Exons	7273..7551, 7278..7526, 7555..7608		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o3.gs	Method	GENSCAN
Start	8345	End	11422
GI	none	Score	.61
Exons	8345..8491, 9056..9222, 9373..9575, 9580..9627, 9691..9822, 10069..10166, 10274..10318, 10567..10664, 10687..10862, 11064..11422		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o2.gp	Method	AAT/GAP
Start	8784	End	9237
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	8784..9237		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41160	Seq. ID	OJ991117_20.0303.C7
Gene No.	85278	Strand	-
Start	8345	End	11525
Name	OJ991117_20.0303.C7.o3.np	Method	AAT/NAP
Start	9038	End	11525

GI	7228442	Score	1954
Exons	9038..9222, 10567..11525		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41161	Seq. ID	OJ991117_20.0303.C8
Gene No.	85279	Strand	-
Start	1	End	1491
Name	OJ991117_20.0303.C8.o1.np	Method	AAT/NAP
Start	1	End	1491
GI	7228442	Score	2616
Exons	1..1491		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41161	Seq. ID	OJ991117_20.0303.C8
Gene No.	85279	Strand	-
Start	1	End	1491
Name	OJ991117_20.0303.C8.o1.gp	Method	AAT/GAP
Start	3	End	434
GI	5701669	Score	853
Exons	3..434		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41161	Seq. ID	OJ991117_20.0303.C8
Gene No.	85280	Strand	-
Start	1943	End	2073
Name	OJ991117_20.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	183
GI	none	Score	97
Exons	1..183, 1..174		

Seq. No.	41161	Seq. ID	OJ991117_20.0303.C8
Gene No.	85280	Strand	-
Start	1943	End	2073
Name	OJ991117_20.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	16	End	477
GI	none	Score	151
Exons	16..315, 77..298, 349..477, 371..469		

Seq. No.	41161	Seq. ID	OJ991117_20.0303.C8
Gene No.	85280	Strand	-
Start	1943	End	2073
Name	OJ991117_20.0303.C8.o2.gp	Method	AAT/GAP
Start	1943	End	2073
GI	7406_1.R1084	Score	202
Exons	1943..2073		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41162	Seq. ID	OJ991117_20.0303.C9
Gene No.	85281	Strand	+
Start	1	End	661

Name	OJ991117_20.0303.C9.o1.np	Method	AAT/NAP
Start	1	End	661
GI	7485530	Score	268
Exons	1..357, 396..443, 526..661		
GI Descrip.	hypothetical protein F16A16.150 - Arabidopsis thaliana gi|4218124|emb|CAA22978.1| (AL035353) hypothetical protein [Arabidopsis thaliana] gi|7269729|emb|CAB81462.1| (AL161573) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41162	Seq. ID	OJ991117_20.0303.C9
Gene No.	85282	Strand	-
Start	1870	End	3718
Name	OJ991117_20.0303.C9.o1.tc	Method	TBLASTX:Cress
Start	397	End	661
GI	none	Score	55
Exons	397..456, 408..446, 517..660, 527..661		

Seq. No.	41162	Seq. ID	OJ991117_20.0303.C9
Gene No.	85282	Strand	-
Start	1870	End	3718
Name	OJ991117_20.0303.C9.o2.gs	Method	GENSCAN
Start	1870	End	3718
GI	none	Score	.46
Exons	1870..1954, 3549..3718		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85283	Strand	+
Start	8905	End	9234
Name	OJ991117_20.0303.C10.o2.gs	Method	GENSCAN
Start	8905	End	9234
GI	none	Score	.41
Exons	8905..8960, 9032..9088, 9114..9234		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85284	Strand	+
Start	10766	End	24893
Name	OJ991117_20.0303.C10.o3.gs	Method	GENSCAN
Start	10766	End	12424
GI	none	Score	.87
Exons	10766..11063, 11316..12424		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85284	Strand	+
Start	10766	End	24893
Name	OJ991117_20.0303.C10.o2.np	Method	AAT/NAP
Start	10792	End	24887
GI	2194119	Score	983
Exons	10792..11009, 11322..11975, 24481..24887		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85284	Strand	+
Start	10766	End	24893
Name	OJ991117_20.0303.C10.o4.gs	Method	GENSCAN
Start	13650	End	14213
GI	none	Score	.94
Exons	13650..13722, 14161..14213		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85284	Strand	+
Start	10766	End	24893
Name	OJ991117_20.0303.C10.o5.gs	Method	GENSCAN
Start	17902	End	19259
GI	none	Score	.8
Exons	17902..18908, 18935..19259		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85284	Strand	+
Start	10766	End	24893
Name	OJ991117_20.0303.C10.o6.gs	Method	GENSCAN
Start	21043	End	24893
GI	none	Score	.96
Exons	21043..21060, 23487..23703, 23791..24893		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85285	Strand	+
Start	28414	End	30177
Name	OJ991117_20.0303.C10.o3.np	Method	AAT/NAP
Start	28414	End	30177
GI	2194119	Score	367
Exons	28414..28495, 29627..30177		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85285	Strand	+
Start	28414	End	30177
Name	OJ991117_20.0303.C10.o7.gs	Method	GENSCAN
Start	29304	End	30165
GI	none	Score	.89
Exons	29304..29524, 29620..30165		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o1.gs	Method	GENSCAN
Start	345	End	6873
GI	none	Score	.47
Exons	345..840, 949..1040, 1629..1718, 1982..2086, 2465..3339, 3754..5347, 5890..6873		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o1.np	Method	AAT/NAP
Start	366	End	2367
GI	6808363	Score	135
Exons	366..439, 651..869, 949..1064, 1652..1694, 1958..2070, 2302..2367		
GI Descrip.	(AL137612) hypothetical protein [Homo sapiens]		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o3.ts	Method	TBLASTX:Soybean

Start	697	End	1709
GI	none	Score	166
Exons	697..897, 711..872, 932..1063, 946..984, 948..1064, 1626..1709		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	739	End	2825
GI	none	Score	136
Exons	739..897, 741..872, 946..1062, 946..1005, 947..1063, 948..1067, 1626..1718, 1627..1716, 1961..2089, 1977..2081, 1983..2111, 2445..2489, 2447..2641, 2466..2489, 2472..2609, 2533..2643, 2661..2702, 2733..2825, 2735..2824		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	3493	End	3845
GI	none	Score	80
Exons	3493..3570, 3494..3577, 3498..3575, 3638..3835, 3645..3845, 3645..3845		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o4.ts	Method	TBLASTX:Soybean
Start	3638	End	3835
GI	none	Score	85
Exons	3638..3790, 3648..3791, 3788..3835		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	4367	End	4730
GI	none	Score	331
Exons	4367..4729, 4371..4730		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85286	Strand	-
Start	345	End	6873
Name	OJ991117_20.0303.C10.o4.tm	Method	TBLASTX:Maize
Start	6358	End	6633
GI	none	Score	162
Exons	6358..6630, 6377..6631, 6453..6632, 6562..6633		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o1.tc	Method	TBLASTX:Cress
Start	11342	End	29971
GI	none	Score	340
Exons	11342..11653, 11401..11652, 18172..18492, 18273..18449, 23814..24098, 23915..24097, 29651..29971, 29752..29913		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	11342	End	30169
GI	none	Score	312
Exons	11342..11629, 11368..11607, 11675..11737, 11701..11736, 11762..11911, 11777..11854, 12077..12124, 12245..12298, 12338..12430, 18172..18441, 18270..18437, 18511..18567, 18607..18714, 18912..18944, 19062..19133, 19164..19247, 23814..24098, 23903..24106, 24156..24212, 24243..24356, 24549..24614, 24693..24764, 24795..24854, 29723..29920, 29752..29916, 29984..30046, 30086..30169		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o2.ts	Method	TBLASTX:Soybean
Start	11384	End	30169
GI	none	Score	267
Exons	11384..11614, 11395..11610, 11660..11725, 11665..11724, 11753..11899, 11821..11862, 12041..12133, 18244..18444, 18246..18449, 18496..18558, 18595..18711, 23886..24083, 24014..24091, 24141..24203, 24225..24356, 24522..24599, 29723..29983, 29851..29982, 29948..30040, 30062..30169		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	11462	End	30046
GI	none	Score	153
Exons	11462..11614, 11506..11613, 11681..11731, 18292..18456, 18306..18434, 18520..18690, 23934..24092, 24165..24203, 29771..29932, 29999..30046		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o2.tc	Method	TBLASTX:Cress
Start	11719	End	30169
GI	none	Score	107
Exons	11719..11907, 11771..11923, 12029..12136, 12245..12316, 12268..12297, 12338..12415, 12340..12396, 18607..18723, 18730..18822, 18823..18903, 19059..19148, 19164..19262, 24252..24365, 24405..24464, 24588..24779, 24795..24854, 30086..30169		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	12245	End	24854
GI	none	Score	190
Exons	12245..12412, 12268..12429, 19059..19148, 19100..19147, 19167..19256, 19175..19264, 24690..24779, 24731..24778, 24798..24854, 24806..24853		

Seq. No.	41163	Seq. ID	OJ991117_20.0303.C10
Gene No.	85287	Strand	
Start	11342	End	30169
Name	OJ991117_20.0303.C10.o5.ts	Method	TBLASTX:Soybean
Start	12245	End	24877
GI	none	Score	90
Exons	12245..12316, 12274..12315, 12338..12415, 12340..12399, 19065..19247, 24687..24854, 24734..24877		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85288	Strand	+
Start	1	End	405
Name	OJ991117_20.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	405
GI	2194119	Score	292
Exons	1..405		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85288	Strand	+
Start	1	End	405
Name	OJ991117_20.0303.C11.o1.gs	Method	GENSCAN
Start	148	End	405
GI	none	Score	.99
Exons	148..405		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85289	Strand	+
Start	5343	End	5583
Name	OJ991117_20.0303.C11.o1.gp	Method	AAT/GAP
Start	5343	End	5583
GI	none	Score	446
Exons	5343..5583		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85290	Strand	+
Start	7150	End	10204
Name	OJ991117_20.0303.C11.o3.gs	Method	GENSCAN
Start	7150	End	10204
GI	none	Score	.54
Exons	7150..7305, 7414..7584, 7856..8009, 9010..9118, 9293..9471, 9768..10204		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85291	Strand	+
Start	17193	End	19893
Name	OJ991117_20.0303.C11.o2.np	Method	AAT/NAP
Start	17193	End	19863
GI	7486350	Score	587
Exons	17193..17280, 18491..18766, 19066..19863		
GI Descrip.	hypothetical protein F2P3.4 - Arabidopsis thaliana gi|3600054|gb|AAC35541.1| (AF080120) F2P3.4 gene product [Arabidopsis thaliana] gi|4850288|emb|CAB43044.1| (AL049876) putative protein [Arabidopsis thaliana] gi|7267808|emb|CAB81210.1| (AL161531) putative protein [Arabidopsis thaliana]		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85291	Strand	+
Start	17193	End	19893
Name	OJ991117_20.0303.C11.o2.gp	Method	AAT/GAP
Start	17371	End	17841
GI	none	Score	882
Exons	17371..17841		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85291	Strand	+
Start	17193	End	19893
Name	OJ991117_20.0303.C11.o5.gs	Method	GENSCAN
Start	17411	End	19893
GI	none	Score	.83
Exons	17411..17873, 18474..18814, 19066..19893		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o2.tc	Method	TBLASTX:Cress
Start	25	End	19836
GI	none	Score	48
Exons	25..123, 220..294, 243..293, 313..390, 324..371, 5025..5213, 5229..5294, 5376..5450, 5537..5596, 5541..5621, 5645..5695, 5646..5714, 19198..19401, 19483..19563, 19729..19836		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	205	End	19847
GI	none	Score	63
Exons	205..276, 313..390, 4618..4662, 4728..4886, 4735..4929, 4995..5060, 5018..5038, 5037..5207, 5328..5411, 5526..5597, 5646..5714, 18469..18600, 18497..18604, 18498..18554, 18604..18744, 18605..18769, 18695..18769, 18717..18776, 19180..19230, 19210..19332, 19230..19349, 19464..19547, 19501..19620, 19693..19737, 19759..19842, 19768..19842, 19773..19847		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o2.ts	Method	TBLASTX:Soybean
Start	205	End	19908
GI	5057685	Score	197
Exons	205..390, 246..386, 5532..5639, 5534..5590, 5645..5701, 5646..5714, 19677..19739, 19678..19740, 19768..19908, 19776..19817		
GI Descrip.	-		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	4702	End	19329

GI	none	Score	223
Exons	4702..4926, 4716..4898, 4995..5036, 5064..5240, 5328..5366, 18604..18786, 18605..18787, 19213..19329		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o1.tc	Method	TBLASTX:Cress
Start	4728	End	18763
GI	none	Score	200
Exons	4728..4898, 4735..4953, 18485..18604, 18605..18763, 18622..18744		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	9407	End	9746
GI	none	Score	57
Exons	9407..9454, 9408..9443, 9408..9539, 9409..9540, 9519..9551, 9533..9550, 9559..9588, 9559..9741, 9566..9742, 9657..9746, 9658..9744		

Seq. No.	41164	Seq. ID	OJ991117_20.0303.C11
Gene No.	85292	Strand	-
Start	11625	End	19908
Name	OJ991117_20.0303.C11.o4.gs	Method	GENSCAN
Start	11625	End	16230
GI	none	Score	.65
Exons	11625..11928, 12265..12331, 13680..13999, 14309..14351, 16209..16230		

Seq. No.	41165	Seq. ID	OJ991117_20.0303.C12
Gene No.	85293	Strand	+
Start	1	End	626
Name	OJ991117_20.0303.C12.o1.np	Method	AAT/NAP
Start	1	End	604
GI	7485221	Score	220
Exons	1..604		
GI Descrip.	hypothetical protein A_IG002N01.14 - Arabidopsis thaliana gi|2191135|gb|AAB61022.1| (AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana] gi|7267605|emb|CAB80917.1| (AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41165	Seq. ID	OJ991117_20.0303.C12
Gene No.	85293	Strand	+
Start	1	End	626
Name	OJ991117_20.0303.C12.o1.gs	Method	GENSCAN
Start	78	End	606
GI	none	Score	.95
Exons	78..606		

Seq. No.	41165	Seq. ID	OJ991117_20.0303.C12
Gene No.	85293	Strand	+
Start	1	End	626
Name	OJ991117_20.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	405	End	626
GI	none	Score	124

Exons	405..476, 406..480, 495..626, 496..588		
Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85294	Strand	+
Start	1468	End	3813
Name	OJ991117_20.0303.C13.o1.np	Method	AAT/NAP
Start	1468	End	3813
GI	7485221	Score	544
Exons	1468..1523, 2729..3813		
GI Descrip.	hypothetical protein A_IG002N01.14 - Arabidopsis thaliana gi|2191135|gb|AAB61022.1| (AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana] gi|7267605|emb|CAB80917.1| (AL161491) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85294	Strand	+
Start	1468	End	3813
Name	OJ991117_20.0303.C13.o1.gs	Method	GENSCAN
Start	2484	End	3803
GI	none	Score	.75
Exons	2484..3803		
Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	2688	End	3770
GI	none	Score	105
Exons	2688..2849, 2849..3028, 2850..3038, 3153..3305, 3441..3578, 3680..3748, 3702..3770		
Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	2730	End	3455
GI	none	Score	111
Exons	2730..2849, 2741..2848, 2850..3032, 2873..3028, 3051..3122, 3153..3380, 3420..3455		
Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	2739	End	3035
GI	none	Score	107
Exons	2739..2849, 2850..3035, 2867..3031		
Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o3.tc	Method	TBLASTX:Cress
Start	3114	End	3761
GI	none	Score	106
Exons	3114..3305, 3390..3503, 3431..3562, 3647..3667, 3702..3761, 3704..3748		

Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o1.gp	Method	AAT/GAP
Start	4601	End	5639
GI	2862_2.R1084	Score	1054
Exons	4601..4995, 5135..5238, 5341..5406, 5544..5639		
GI Descrip.	'5902930/dbj|BAA84494.1| 2.0e-29 (AB029510) small GTP-binding protein OsRac3 [Oryza sativa]'		

Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o2.gs	Method	GENSCAN
Start	4900	End	5608
GI	none	Score	.79
Exons	4900..4995, 5341..5406, 5544..5608		

Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o2.np	Method	AAT/NAP
Start	5095	End	5610
GI	5902930	Score	254
Exons	5095..5238, 5341..5406, 5544..5610		
GI Descrip.	(AB029510) small GTP-binding protein OsRac3 [Oryza sativa]		

Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o2.tc	Method	TBLASTX:Cress
Start	5135	End	5626
GI	none	Score	110
Exons	5135..5239, 5162..5239, 5341..5409, 5342..5416, 5345..5416, 5536..5613, 5540..5626, 5544..5609		

Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	5138	End	5610
GI	none	Score	126
Exons	5138..5239, 5141..5239, 5341..5409, 5342..5416, 5536..5610, 5543..5608, 5544..5609		

Seq. No.	41166	Seq. ID	OJ991117_20.0303.C13
Gene No.	85295	Strand	-
Start	4900	End	5639
Name	OJ991117_20.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	5180	End	5610
GI	none	Score	80
Exons	5180..5239, 5186..5239, 5188..5241, 5341..5409, 5342..5416, 5536..5610, 5544..5609		

Seq. No.	41167	Seq. ID	OJ991027_15.0303.C1
Gene No.	85296	Strand	-
Start	494	End	788

Name	OJ991027_15.0303.C1.o1.np	Method	AAT/NAP
Start	387	End	788
GI	4680203	Score	216
Exons	387..788		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41167	Seq. ID	OJ991027_15.0303.C1
Gene No.	85296	Strand	-
Start	494	End	788
Name	OJ991027_15.0303.C1.o1.gs	Method	GENSCAN
Start	494	End	649
GI	none	Score	.76
Exons	494..649		

Seq. No.	41167	Seq. ID	OJ991027_15.0303.C1
Gene No.	85296	Strand	-
Start	494	End	788
Name	OJ991027_15.0303.C1.o2.np	Method	AAT/NAP
Start	557	End	788
GI	5852182	Score	216
Exons	557..788		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85297	Strand	+
Start	3628	End	4240
Name	OJ991027_15.0303.C2.o2.gs	Method	GENSCAN
Start	3628	End	4240
GI	none	Score	.83
Exons	3628..3755, 4126..4240		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85298	Strand	+
Start	14947	End	15518
Name	OJ991027_15.0303.C2.o1.gp	Method	AAT/GAP
Start	14947	End	15518
GI	uC-osf1M202068d01b1	Score	1044
Exons	14947..15518		
GI Descrip.	'2149018/gb|U70541|OSU70541 2.0e-40 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85299	Strand	+
Start	28597	End	30314
Name	OJ991027_15.0303.C2.o4.np	Method	AAT/NAP
Start	28597	End	30314
GI	6063554	Score	453
Exons	28597..28815, 28933..29189, 30141..30314		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85300	Strand	+
Start	40326	End	42122
Name	OJ991027_15.0303.C2.o6.np	Method	AAT/NAP

Start	40326	End	42122
GI	7340661	Score	96
Exons	40326..40466, 42100..42122		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85301	Strand	-
Start	4396	End	13315
Name	OJ991027_15.0303.C2.o1.np	Method	AAT/NAP
Start	4396	End	6830
GI	5803270	Score	365
Exons	4396..4437, 5941..6038, 6443..6587, 6664..6830		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85301	Strand	-
Start	4396	End	13315
Name	OJ991027_15.0303.C2.o3.gs	Method	GENSCAN
Start	4694	End	13315
GI	none	Score	.62
Exons	4694..4771, 6812..7112, 9011..9069, 9699..9849, 9855..9984, 12809..12968, 13235..13315		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85302	Strand	-
Start	13849	End	14166
Name	OJ991027_15.0303.C2.o4.gs	Method	GENSCAN
Start	13849	End	14166
GI	none	Score	.8
Exons	13849..14166		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85303	Strand	-
Start	20191	End	20807
Name	OJ991027_15.0303.C2.o2.np	Method	AAT/NAP
Start	20191	End	20807
GI	5091603	Score	718
Exons	20191..20527, 20594..20807		
GI Descrip.	(AC007858) 10A19I.7 [Oryza sativa]		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85304	Strand	-
Start	22210	End	23585
Name	OJ991027_15.0303.C2.o6.gs	Method	GENSCAN
Start	22210	End	23585
GI	none	Score	1
Exons	22210..22591, 23533..23585		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85305	Strand	-
Start	23810	End	25885
Name	OJ991027_15.0303.C2.o2.gp	Method	AAT/GAP
Start	23807	End	24329
GI	uC-osflcyp172c08b1	Score	1020
Exons	23807..24329		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85305	Strand	-
Start	23810	End	25885
Name	OJ991027_15.0303.C2.o7.gs	Method	GENSCAN
Start	23810	End	25885
GI	none	Score	1
Exons	23810..25885		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85306	Strand	-
Start	26219	End	28300
Name	OJ991027_15.0303.C2.o8.gs	Method	GENSCAN
Start	26219	End	28300
GI	none	Score	.52
Exons	26219..26273, 26390..26555, 26867..27023, 27044..27182, 27820..27975, 27981..28039, 28244..28300		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85307	Strand	-
Start	28931	End	35701
Name	OJ991027_15.0303.C2.o9.gs	Method	GENSCAN
Start	28931	End	35102
GI	none	Score	.56
Exons	28931..29009, 29024..29331, 30042..30124, 32626..32771, 33740..34308, 34334..34495, 34569..34950, 35017..35102		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85307	Strand	-
Start	28931	End	35701
Name	OJ991027_15.0303.C2.o5.np	Method	AAT/NAP
Start	33772	End	35701
GI	7487204	Score	67
Exons	33772..33965, 35627..35701		
GI Descrip.	hypothetical protein T19L18.8 - Arabidopsis thaliana gi|3413703|gb|AAC31226.1| (AC004747) unknown protein [Arabidopsis thaliana]		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85307	Strand	-
Start	28931	End	35701
Name	OJ991027_15.0303.C2.o4.gp	Method	AAT/GAP
Start	34313	End	34639
GI	3768199	Score	622
Exons	34313..34639		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85308	Strand	-
Start	37264	End	40146
Name	OJ991027_15.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	23834	End	25459
GI	none	Score	77
Exons	23834..24466, 23942..24571, 24053..24670, 24158..24778, 24260..24886, 24359..24979, 24467..25096, 24674..25294, 24998..25195, 25128..25280, 25268..25459		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2

Gene No.	85308	Strand	-
Start	37264	End	40146
Name	OJ991027_15.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	23834	End	25459
GI	none	Score	150
Exons	23834..24682, 23843..24592, 23891..24298, 23921..24127, 23927..24355, 24134..24991, 24209..24331, 24218..25090, 24263..24442, 24345..24980, 24347..25195, 24453..24638, 24464..24646, 24533..24721, 24545..25294, 24731..24865, 24848..25036, 24944..25459, 24953..25294, 24980..25171, 25079..25195		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85308	Strand	-
Start	37264	End	40146
Name	OJ991027_15.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	23885	End	25324
GI	none	Score	85
Exons	23885..24082, 23891..24250, 23972..24193, 23999..24361, 24065..24292, 24110..24469, 24170..24391, 24209..24565, 24311..24676, 24317..24490, 24345..24575, 24392..24622, 24416..24829, 24500..24733, 24521..24862, 24590..24811, 24608..24991, 24710..24907, 24818..25003, 24839..25204, 24935..25108, 24944..25324, 24944..25120, 25028..25234, 25115..25294, 25125..25295		

Seq. No.	41168	Seq. ID	OJ991027_15.0303.C2
Gene No.	85308	Strand	-
Start	37264	End	40146
Name	OJ991027_15.0303.C2.o10.gs	Method	GENSCAN
Start	37264	End	40146
GI	none	Score	.74
Exons	37264..37398, 38494..38620, 38732..38991, 39345..39425, 40063..40146		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85309	Strand	+
Start	607	End	776
Name	OJ991027_15.0303.C3.o1.gs	Method	GENSCAN
Start	607	End	776
GI	none	Score	.83
Exons	607..617, 716..776		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85310	Strand	+
Start	4152	End	5143
Name	OJ991027_15.0303.C3.o3.gs	Method	GENSCAN
Start	4152	End	5143
GI	none	Score	.67
Exons	4152..4459, 4494..4687, 4716..5143		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85311	Strand	+
Start	12739	End	14795
Name	OJ991027_15.0303.C3.o6.gs	Method	GENSCAN
Start	12739	End	14795
GI	none	Score	.66

Exons 12739..12818, 13075..13151, 13272..13456, 14676..14795

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85312	Strand	+
Start	16812	End	16934
Name	OJ991027_15.0303.C3.o7.gs	Method	GENSCAN
Start	16812	End	16934
GI	none	Score	.95
Exons	16812..16934		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	3675
GI	131148	Score	273
Exons	1..38, 2488..2783, 2824..2902, 3649..3675		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 gi|72674|pir||A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast gi|11981|emb|CAA33995| (X15901) PSI P700 apoprotein A2 [Oryza sativa] gi|226604|prf||1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o3.np	Method	AAT/NAP
Start	243	End	18534
GI	3153821	Score	178
Exons	243..264, 2060..2239, 3283..3425, 6329..6644, 6756..6925, 11827..11965, 13179..13279, 13499..13655, 18513..18534		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o2.gs	Method	GENSCAN
Start	1092	End	1693
GI	none	Score	.82
Exons	1092..1298, 1673..1693		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	2489	End	2719
GI	none	Score	75
Exons	2489..2581, 2491..2583, 2587..2640, 2588..2641, 2630..2719, 2641..2718		

Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	2504	End	2858
GI	none	Score	67

Exons	2504..2581, 2507..2581, 2508..2582, 2509..2583, 2587..2640, 2588..2641, 2627..2722, 2630..2734, 2640..2735, 2641..2733, 2733..2783, 2734..2793, 2737..2793, 2739..2795, 2818..2856, 2823..2858, 2825..2857		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o4.gs	Method	GENSCAN
Start	5515	End	6885
GI	none	Score	.99
Exons	5515..6885		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o2.np	Method	AAT/NAP
Start	5808	End	6663
GI	5903087	Score	252
Exons	5808..6099, 6304..6663		
GI Descrip.	(AC008017) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	5935	End	6508
GI	none	Score	102
Exons	5935..6093, 5939..6076, 6127..6237, 6127..6240, 6309..6452, 6310..6480, 6310..6507, 6395..6508		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	6310	End	6612
GI	none	Score	188
Exons	6310..6612		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	6316	End	6612
GI	none	Score	62
Exons	6316..6612, 6389..6598		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-
Start	1	End	18534
Name	OJ991027_15.0303.C3.o3.gp	Method	AAT/GAP
Start	6660	End	6784
GI	none	Score	221
Exons	6660..6784		
Seq. No.	41169	Seq. ID	OJ991027_15.0303.C3
Gene No.	85313	Strand	-

Start	1	End	18534
Name	OJ991027_15.0303.C3.o5.gs	Method	GENSCAN
Start	11331	End	12146
GI	none	Score	.85
Exons	11331..12146		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85314	Strand	+
Start	1	End	1389
Name	OJ991027_15.0303.C5.o1.np	Method	AAT/NAP
Start	1	End	1386
GI	4867805	Score	964
Exons	1..684, 935..1386		
GI Descrip.	(AJ133001) phospholipase D1 [Craterostigma plantagineum]		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85314	Strand	+
Start	1	End	1389
Name	OJ991027_15.0303.C5.o1.gs	Method	GENSCAN
Start	54	End	1389
GI	none	Score	.94
Exons	54..684, 821..1389		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85315	Strand	-
Start	1562	End	4857
Name	OJ991027_15.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	5	End	1392
GI	none	Score	93
Exons	5..46, 24..137, 41..136, 108..263, 155..244, 317..568, 318..683, 534..680, 933..1019, 934..1041, 934..1020, 1063..1113, 1162..1320, 1318..1392		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85315	Strand	-
Start	1562	End	4857
Name	OJ991027_15.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	27	End	1392
GI	none	Score	105
Exons	27..137, 29..136, 149..262, 153..254, 318..683, 323..574, 933..1046, 934..1047, 1063..1113, 1161..1310, 1162..1308, 1180..1338, 1320..1391, 1321..1392		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85315	Strand	-
Start	1562	End	4857
Name	OJ991027_15.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	27	End	1389
GI	none	Score	103
Exons	27..137, 47..136, 149..244, 153..263, 317..574, 318..683, 534..683, 933..1022, 934..1047, 1063..1158, 1147..1320, 1176..1310, 1177..1341, 1299..1385, 1318..1389		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85315	Strand	-
Start	1562	End	4857
Name	OJ991027_15.0303.C5.o2.tw	Method	TBLASTX:Wheat

Start	395	End	683
GI	none	Score	337
Exons	395..565, 396..683, 525..683		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85315	Strand	-
Start	1562	End	4857
Name	OJ991027_15.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	933	End	1388
GI	none	Score	247
Exons	933..1112, 934..1113, 1147..1308, 1156..1335, 1320..1388, 1321..1386		

Seq. No.	41170	Seq. ID	OJ991027_15.0303.C5
Gene No.	85315	Strand	-
Start	1562	End	4857
Name	OJ991027_15.0303.C5.o2.gs	Method	GENSCAN
Start	1562	End	4857
GI	none	Score	.6
Exons	1562..1681, 1704..1943, 3911..4072, 4518..4857		

Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85316	Strand	+
Start	7150	End	11403
Name	OJ991027_15.0303.C6.o1.gp	Method	AAT/GAP
Start	7006	End	8062
GI	uC-osf1M202052f09b1	Score	972
Exons	7006..7219, 7775..8062		
GI Descrip.	'4903006/dbj|BAA77837.1| 4.0e-23 (AB027458) ACE [Arabidopsis thaliana] >gi_5903086_gb_AAD55644.1_AC008017_17 (AC008017) ACE [Arabidopsis thaliana]'		

Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85316	Strand	+
Start	7150	End	11403
Name	OJ991027_15.0303.C6.o2.gs	Method	GENSCAN
Start	7150	End	11255
GI	none	Score	.92
Exons	7150..7219, 7775..8129, 9417..9730, 9818..10206, 10684..11255		

Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85316	Strand	+
Start	7150	End	11403
Name	OJ991027_15.0303.C6.o1.np	Method	AAT/NAP
Start	7786	End	11403
GI	4903006	Score	1556
Exons	7786..8129, 9417..9726, 9820..10206, 10684..11255, 11352..11403		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		

Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85317	Strand	-
Start	2144	End	4437
Name	OJ991027_15.0303.C6.o1.gs	Method	GENSCAN
Start	2144	End	4437
GI	none	Score	.53

Exons	2144..2363, 2604..2701, 2982..3044, 4017..4203, 4306..4437		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	7147	End	10196
GI	none	Score	92
Exons	7147..7221, 7150..7221, 7783..7830, 7795..7830, 7800..7835, 7831..7911, 7840..7908, 7845..7910, 7982..8044, 7986..8129, 7990..8127, 9414..9731, 9415..9732, 9823..10194, 9828..10196		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o3.ts	Method	TBLASTX:Soybean
Start	7851	End	8007
GI	none	Score	92
Exons	7851..8006, 7851..8006, 7852..8007, 7852..8007		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o3.tc	Method	TBLASTX:Cress
Start	7852	End	8132
GI	none	Score	291
Exons	7852..8121, 7854..8132		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	8026	End	10755
GI	none	Score	138
Exons	8026..8130, 8026..8130, 9418..9735, 9418..9606, 9549..9626, 9802..10209, 9825..10214, 9924..10220, 10684..10755		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	9421	End	10065
GI	none	Score	314
Exons	9421..9723, 9432..9638, 9850..10065, 9903..10055		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o2.tc	Method	TBLASTX:Cress
Start	10066	End	11402
GI	none	Score	48
Exons	10066..10113, 10096..10155, 10153..10200, 10692..10916, 10696..10974, 10996..11079, 11007..11075, 11082..11147, 11083..11136, 11212..11229, 11223..11261, 11227..11256, 11345..11371, 11349..11402		
Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6

Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	10690	End	11097
GI	none	Score	574
Exons	10690..11097, 10695..11096, 10702..11097		

Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o2.ts	Method	TBLASTX:Soybean
Start	10759	End	11399
GI	none	Score	218
Exons	10759..10977, 10764..10925, 10981..11193, 10998..11261, 10999..11256, 11166..11276, 11346..11399, 11349..11399		

Seq. No.	41171	Seq. ID	OJ991027_15.0303.C6
Gene No.	85318	Strand	
Start	7147	End	11480
Name	OJ991027_15.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	11112	End	11480
GI	none	Score	236
Exons	11112..11261, 11113..11256, 11346..11411, 11349..11414, 11402..11476, 11424..11480		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85319	Strand	+
Start	258	End	719
Name	OJ991027_15.0303.C7.o1.gs	Method	GENSCAN
Start	258	End	719
GI	none	Score	.63
Exons	258..516, 585..719		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85320	Strand	-
Start	6900	End	12901
Name	OJ991027_15.0303.C7.o1.np	Method	AAT/NAP
Start	6900	End	12901
GI	6466937	Score	2325
Exons	6900..11229, 12829..12901		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85320	Strand	-
Start	6900	End	12901
Name	OJ991027_15.0303.C7.o2.np	Method	AAT/NAP
Start	6900	End	11225
GI	6466937	Score	2322
Exons	6900..11225		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o4.tm	Method	TBLASTX:Maize

Start	6879	End	7628
GI	none	Score	40
Exons	6879..6965, 7008..7241, 7075..7137, 7209..7628, 7246..7527, 7395..7562		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	7152	End	7562
GI	none	Score	160
Exons	7152..7562, 7195..7512, 7263..7550		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o5.tw	Method	TBLASTX:Wheat
Start	7629	End	20162
GI	none	Score	148
Exons	7629..8015, 19743..20162		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	7633	End	20144
GI	none	Score	82
Exons	7633..8100, 7635..8270, 7686..7826, 7687..8148, 19818..20144		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	7863	End	8249
GI	none	Score	146
Exons	7863..8249, 7873..8217		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o3.tw	Method	TBLASTX:Wheat
Start	8103	End	8501
GI	none	Score	137
Exons	8103..8501, 8104..8328		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o5.tm	Method	TBLASTX:Maize
Start	8271	End	8696
GI	none	Score	110
Exons	8271..8501, 8488..8694, 8489..8695, 8493..8696, 8547..8696		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o6.ts	Method	TBLASTX:Soybean

Start	8682	End	8939
GI	none	Score	87
Exons	8682..8939, 8740..8937		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	8697	End	9218
GI	none	Score	337
Exons	8697..9215, 8701..9204, 8703..9218		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o4.tw	Method	TBLASTX:Wheat
Start	8847	End	9248
GI	none	Score	122
Exons	8847..9248, 8881..9159		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o2.ts	Method	TBLASTX:Soybean
Start	8961	End	9320
GI	none	Score	120
Exons	8961..9320, 8962..9309		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o8.tm	Method	TBLASTX:Maize
Start	9228	End	9402
GI	none	Score	94
Exons	9228..9401, 9232..9402		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	9297	End	9779
GI	none	Score	249
Exons	9297..9779, 9331..9678		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	9402	End	9891
GI	none	Score	190
Exons	9402..9890, 9420..9716, 9424..9891		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o4.ts	Method	TBLASTX:Soybean
Start	9426	End	9743

GI	none	Score	92
Exons	9426..9620, 9429..9743, 9430..9627		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o6.tm	Method	TBLASTX:Maize
Start	9930	End	10616
GI	none	Score	39
Exons	9930..10082, 10056..10085, 10164..10406, 10213..10353, 10454..10483, 10470..10607, 10488..10616		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o4.gs	Method	GENSCAN
Start	14518	End	20361
GI	none	Score	.47
Exons	14518..15219, 15411..15955, 16552..17311, 17764..18055, 18526..18596, 19410..19495, 19550..19764, 19909..20051, 20142..20361		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o3.ts	Method	TBLASTX:Soybean
Start	19407	End	19652
GI	none	Score	47
Exons	19407..19652, 19411..19446, 19522..19650		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o4.np	Method	AAT/NAP
Start	19413	End	20677
GI	4544372	Score	648
Exons	19413..20677		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o5.ts	Method	TBLASTX:Soybean
Start	19995	End	20393
GI	none	Score	69
Exons	19995..20393, 20113..20289		

Seq. No.	41172	Seq. ID	OJ991027_15.0303.C7
Gene No.	85321	Strand	-
Start	14518	End	20677
Name	OJ991027_15.0303.C7.o7.tm	Method	TBLASTX:Maize
Start	20244	End	20597
GI	none	Score	216
Exons	20244..20597		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8

Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o1.np	Method	AAT/NAP
Start	1	End	2719
GI	7248394	Score	2930
Exons	1..182, 620..1689, 1960..2241, 2285..2719		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o1.gs	Method	GENSCAN
Start	54	End	2663
GI	none	Score	.41
Exons	54..274, 891..2229, 2285..2663		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o3.tw	Method	TBLASTX:Wheat
Start	304	End	739
GI	none	Score	82
Exons	304..552, 650..739		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	367	End	785
GI	none	Score	83
Exons	367..552, 371..484, 557..610, 558..629, 647..784, 647..784, 651..785, 657..785		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o2.ts	Method	TBLASTX:Soybean
Start	936	End	1372
GI	none	Score	69
Exons	936..1082, 938..1123, 1113..1370, 1124..1372		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o2.tw	Method	TBLASTX:Wheat
Start	1022	End	1402
GI	none	Score	50
Exons	1022..1123, 1026..1121, 1100..1402		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o1.tm	Method	TBLASTX:Maize

Start	1091	End	1552
GI	none	Score	323
Exons	1091..1552, 1092..1433, 1488..1550		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	1419	End	1828
GI	none	Score	195
Exons	1419..1820, 1420..1710, 1421..1828, 1488..1811		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	1553	End	1768
GI	none	Score	214
Exons	1553..1768, 1554..1766		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o3.ts	Method	TBLASTX:Soybean
Start	1622	End	1990
GI	none	Score	148
Exons	1622..1756, 1772..1990		

Seq. No.	41173	Seq. ID	OJ991027_15.0303.C8
Gene No.	85322	Strand	-
Start	1	End	2719
Name	OJ991027_15.0303.C8.o4.tw	Method	TBLASTX:Wheat
Start	1829	End	2065
GI	none	Score	172
Exons	1829..2065		

Seq. No.	41174	Seq. ID	OJ991027_15.0303.C9
Gene No.	85323	Strand	+
Start	9596	End	9883
Name	OJ991027_15.0303.C9.o1.np	Method	AAT/NAP
Start	9596	End	9883
GI	7340905	Score	95
Exons	9596..9704, 9865..9883		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41174	Seq. ID	OJ991027_15.0303.C9
Gene No.	85324	Strand	-
Start	154	End	7954
Name	OJ991027_15.0303.C9.o1.gs	Method	GENSCAN
Start	154	End	7954
GI	none	Score	.42
Exons	154..1634, 1708..1836, 2071..2551, 3958..4246, 5678..5993, 6523..6652, 7485..7581, 7847..7954		

Seq. No.	41174	Seq. ID	OJ991027_15.0303.C9
Gene No.	85324	Strand	-
Start	154	End	7954

Name	OJ991027_15.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	197	End	565
GI	none	Score	59
Exons	197..415, 294..410, 440..565, 441..548		

Seq. No.	41174	Seq. ID	OJ991027_15.0303.C9
Gene No.	85324	Strand	-
Start	154	End	7954
Name	OJ991027_15.0303.C9.o1.gp	Method	AAT/GAP
Start	6211	End	6746
GI	uC-osflcyp064c01b1	Score	990
Exons	6211..6746		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	41175	Seq. ID	OJ991027_15.0303.C10
Gene No.	85325	Strand	+
Start	1751	End	2607
Name	OJ991027_15.0303.C10.o1.gs	Method	GENSCAN
Start	1751	End	2607
GI	none	Score	.75
Exons	1751..1830, 1926..2607		

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	788
GI	3914359	Score	615
Exons	1..788		
GI Descrip.	PHOSPHOLIPASE D PRECURSOR (PLD) (CHOLINE PHOSPHATASE) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D) gi|1928979|gb|AAB51392.1| (U92656) phospholipase D [Vigna unguiculata]		

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	629
GI	none	Score	121
Exons	3..149, 4..132, 150..203, 151..195, 210..245, 249..308, 360..437, 444..554, 445..555, 576..629, 583..627		

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	630
GI	none	Score	192
Exons	3..245, 4..195, 211..243, 249..308, 253..309, 351..437, 366..434, 444..554, 447..554, 541..630, 576..629		

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o2.ts	Method	TBLASTX:Soybean

Start	3	End	162
GI	none	Score	131
Exons	3..161, 4..162		

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o1.gs	Method	GENSCAN
Start	73	End	710
GI	none	Score	.57
Exons	73..710		

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	165	End	630
GI	none	Score	67
Exons	165..203, 207..245, 249..308, 445..555, 576..629, 577..630		253..309, 351..440, 444..554,

Seq. No.	41176	Seq. ID	OJ991027_15.0303.C13
Gene No.	85326	Strand	-
Start	1	End	788
Name	OJ991027_15.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	369	End	740
GI	none	Score	34
Exons	369..437, 414..461, 444..554, 561..629, 564..656, 702..740		445..552, 447..557, 553..630,

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o1.np	Method	AAT/NAP
Start	772	End	5507
GI	5257279	Score	5767
Exons	772..1317, 1666..1901, 2532..5250, 5458..5507		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o5.tw	Method	TBLASTX:Wheat
Start	2442	End	2811
GI	none	Score	53
Exons	2442..2549, 2448..2630, 2449..2640, 2665..2811		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o4.tm	Method	TBLASTX:Maize
Start	3358	End	3683
GI	none	Score	212
Exons	3358..3681, 3405..3506, 3549..3683		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1

Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o6.tw	Method	TBLASTX:Wheat
Start	3363	End	3741
GI	none	Score	141
Exons	3363..3485, 3364..3585, 3364..3522, 3583..3735, 3619..3741, 3630..3740		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o1.gp	Method	AAT/GAP
Start	3722	End	5083
GI	4107139	Score	2636
Exons	3722..5083		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o5.tm	Method	TBLASTX:Maize
Start	3816	End	3978
GI	none	Score	194
Exons	3816..3977, 3817..3978		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o2.tw	Method	TBLASTX:Wheat
Start	3913	End	4599
GI	none	Score	547
Exons	3913..4395, 3924..4220, 4033..4362, 4248..4391, 4464..4508, 4561..4599		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o2.tm	Method	TBLASTX:Maize
Start	3979	End	4449
GI	none	Score	404
Exons	3979..4449		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o1.ts	Method	TBLASTX:Soybean
Start	4336	End	4731
GI	none	Score	54
Exons	4336..4368, 4366..4701, 4367..4525, 4372..4731, 4374..4730		

Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o3.tm	Method	TBLASTX:Maize
Start	4465	End	4812
GI	none	Score	324

Exons	4465..4812, 4467..4733		
Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o4.tw	Method	TBLASTX:Wheat
Start	4509	End	4746
GI	none	Score	252
Exons	4509..4730, 4510..4746		
Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o1.tw	Method	TBLASTX:Wheat
Start	4747	End	5244
GI	none	Score	630
Exons	4747..5244, 4756..5088, 4782..5243		
Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o2.ts	Method	TBLASTX:Soybean
Start	4753	End	4998
GI	none	Score	212
Exons	4753..4998, 4782..4883		
Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o1.tm	Method	TBLASTX:Maize
Start	4819	End	5172
GI	none	Score	464
Exons	4819..5172, 4821..5159		
Seq. No.	41177	Seq. ID	OJ991027_14.0308.C1
Gene No.	85327	Strand	+
Start	772	End	5507
Name	OJ991027_14.0308.C1.o3.tw	Method	TBLASTX:Wheat
Start	5244	End	5507
GI	none	Score	264
Exons	5244..5507, 5245..5505, 5268..5507		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85328	Strand	+
Start	1	End	1494
Name	OJ991027_14.0308.C2.o1.np	Method	AAT/NAP
Start	1	End	1485
GI	4539660	Score	1768
Exons	1..1485		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85328	Strand	+
Start	1	End	1494
Name	OJ991027_14.0308.C2.o1.gs	Method	GENSCAN
Start	66	End	1494
GI	none	Score	.87

Exons	66..441, 622..1494		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o2.tw	Method	TBLASTX:Wheat
Start	12	End	498
GI	none	Score	581
Exons	12..494, 19..498		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o1.tc	Method	TBLASTX:Cress
Start	214	End	530
GI	none	Score	109
Exons	214..387, 222..335, 388..498, 390..530		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o1.ts	Method	TBLASTX:Soybean
Start	306	End	552
GI	none	Score	220
Exons	306..551, 307..552		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o2.tm	Method	TBLASTX:Maize
Start	354	End	645
GI	none	Score	111
Exons	354..641, 354..641, 355..645		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o1.tw	Method	TBLASTX:Wheat
Start	529	End	1140
GI	none	Score	691
Exons	529..1140, 570..1139		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o1.tm	Method	TBLASTX:Maize
Start	697	End	1281
GI	none	Score	222
Exons	697..855, 699..851, 725..859, 853..1281	793..1131, 848..994, 852..1280,	
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o3.tw	Method	TBLASTX:Wheat
Start	1140	End	1473
GI	none	Score	367

Exons	1140..1364, 1141..1473		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o3.tm	Method	TBLASTX:Maize
Start	1281	End	1527
GI	none	Score	186
Exons	1281..1406, 1282..1527		
Seq. No.	41178	Seq. ID	OJ991027_14.0308.C2
Gene No.	85329	Strand	-
Start	2138	End	2419
Name	OJ991027_14.0308.C2.o2.gs	Method	GENSCAN
Start	2138	End	2419
GI	none	Score	.79
Exons	2138..2419		
Seq. No.	41179	Seq. ID	OJ991027_14.0308.C6
Gene No.	85330	Strand	+
Start	107	End	934
Name	OJ991027_14.0308.C6.o1.gs	Method	GENSCAN
Start	107	End	934
GI	none	Score	.89
Exons	107..145, 223..480, 548..658, 877..934		
Seq. No.	41179	Seq. ID	OJ991027_14.0308.C6
Gene No.	85331	Strand	-
Start	1651	End	1824
Name	OJ991027_14.0308.C6.o2.gs	Method	GENSCAN
Start	1651	End	1824
GI	none	Score	.88
Exons	1651..1824		
Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85332	Strand	+
Start	4375	End	17410
Name	OJ991027_14.0308.C7.o1.np	Method	AAT/NAP
Start	4375	End	17410
GI	6175156	Score	228
Exons	4375..4393, 10293..10331, 12808..13094, 13146..13243, 14269..14771, 17272..17410		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85332	Strand	+
Start	4375	End	17410
Name	OJ991027_14.0308.C7.o2.gs	Method	GENSCAN
Start	5762	End	6001
GI	none	Score	.99
Exons	5762..6001		
Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85332	Strand	+
Start	4375	End	17410
Name	OJ991027_14.0308.C7.o3.gs	Method	GENSCAN
Start	6242	End	14814

GI	none	Score	.82
Exons	6242..6466, 6535..6800, 8222..8321, 9837..9965, 12852..13243, 14346..14814		

Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85333	Strand	-
Start	482	End	1937
Name	OJ991027_14.0308.C7.o1.gs	Method	GENSCAN
Start	482	End	1937
GI	none	Score	.73
Exons	482..508, 513..632, 768..874, 1299..1534, 1666..1937		

Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85333	Strand	-
Start	482	End	1937
Name	OJ991027_14.0308.C7.o1.gp	Method	AAT/GAP
Start	868	End	1109
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	868..907, 1037..1109		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85334	Strand	-
Start	15593	End	19557
Name	OJ991027_14.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	14252	End	14769
GI	none	Score	53
Exons	14252..14335, 14347..14421, 14509..14583, 14572..14769		

Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85334	Strand	-
Start	15593	End	19557
Name	OJ991027_14.0308.C7.o3.np	Method	AAT/NAP
Start	15593	End	19557
GI	5042463	Score	164
Exons	15593..15645, 17982..18070, 18122..18253, 18915..19130, 19393..19557		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85334	Strand	-
Start	15593	End	19557
Name	OJ991027_14.0308.C7.o4.gs	Method	GENSCAN
Start	17605	End	17922
GI	none	Score	.64
Exons	17605..17922		

Seq. No.	41180	Seq. ID	OJ991027_14.0308.C7
Gene No.	85334	Strand	-
Start	15593	End	19557
Name	OJ991027_14.0308.C7.o2.np	Method	AAT/NAP
Start	17673	End	18588
GI	7248393	Score	144
Exons	17673..17904, 18526..18588		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41181	Seq. ID	OJ991027_14.0308.C8
Gene No.	85335	Strand	+
Start	55	End	231
Name	OJ991027_14.0308.C8.o1.gs	Method	GENSCAN
Start	55	End	231
GI	none	Score	.51
Exons	55..231		

Seq. No.	41181	Seq. ID	OJ991027_14.0308.C8
Gene No.	85336	Strand	+
Start	6117	End	6426
Name	OJ991027_14.0308.C8.o1.gp	Method	AAT/GAP
Start	6117	End	6426
GI	none	Score	587
Exons	6117..6426		

Seq. No.	41181	Seq. ID	OJ991027_14.0308.C8
Gene No.	85337	Strand	-
Start	6074	End	6763
Name	OJ991027_14.0308.C8.o1.np	Method	AAT/NAP
Start	6074	End	6763
GI	7487733	Score	76
Exons	6074..6175, 6407..6579, 6740..6763		
GI Descrip.	hypothetical protein T5L19.190 - Arabidopsis thaliana gi|4539009|emb|CAB39630.1| (AL049481) putative protein [Arabidopsis thaliana] gi|7267702|emb|CAB78129.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	41181	Seq. ID	OJ991027_14.0308.C8
Gene No.	85337	Strand	-
Start	6074	End	6763
Name	OJ991027_14.0308.C8.o1.ts	Method	TBLASTX:Soybean
Start	6434	End	6588
GI	none	Score	157
Exons	6434..6586, 6436..6585, 6439..6588		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o1.np	Method	AAT/NAP
Start	1	End	1870
GI	7487733	Score	946
Exons	1..955, 1705..1870		
GI Descrip.	hypothetical protein T5L19.190 - Arabidopsis thaliana gi|4539009|emb|CAB39630.1| (AL049481) putative protein [Arabidopsis thaliana] gi|7267702|emb|CAB78129.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o2.ts	Method	TBLASTX:Soybean
Start	1	End	202
GI	none	Score	117
Exons	1..132, 3..197, 12..197, 65..202		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o2.tc	Method	TBLASTX:Cress
Start	1	End	192
GI	none	Score	96
Exons	1..192, 3..188, 86..190		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o1.tw	Method	TBLASTX:Wheat
Start	38	End	443
GI	none	Score	473
Exons	38..442, 38..442, 39..443		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o1.gs	Method	GENSCAN
Start	59	End	1763
GI	none	Score	.54
Exons	59..955, 1702..1763		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	176	End	1763
GI	none	Score	476
Exons	176..802, 177..824, 177..824, 626..829, 1704..1763, 1706..1762		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	262	End	830
GI	none	Score	180
Exons	262..573, 263..493, 278..793, 279..794, 303..830, 409..825		

Seq. No.	41182	Seq. ID	OJ991027_14.0308.C9
Gene No.	85338	Strand	-
Start	1	End	1870
Name	OJ991027_14.0308.C9.o1.tc	Method	TBLASTX:Cress
Start	291	End	644
GI	none	Score	202
Exons	291..629, 306..644, 421..630		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85339	Strand	+
Start	14981	End	15362
Name	OJ991027_14.0308.C10.o2.gp	Method	AAT/GAP
Start	14981	End	15362
GI	uC-osf1cyp033a04b1	Score	647
Exons	14981..15362		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85340	Strand	+
Start	17777	End	18667
Name	OJ991027_14.0308.C10.o2.np	Method	AAT/NAP
Start	17706	End	18667
GI	6721517	Score	1114
Exons	17706..17769, 17819..17976, 18056..18667		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85340	Strand	+
Start	17777	End	18667
Name	OJ991027_14.0308.C10.o4.gs	Method	GENSCAN
Start	17777	End	18578
GI	none	Score	.56
Exons	17777..18169, 18245..18578		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85341	Strand	-
Start	1	End	3882
Name	OJ991027_14.0308.C10.o1.np	Method	AAT/NAP
Start	1	End	3882
GI	7487733	Score	193
Exons	1..60, 569..732, 884..1030, 1373..1500, 1593..1646, 3438..3564, 3614..3652, 3815..3882		
GI Descrip.	hypothetical protein T5L19.190 - Arabidopsis thaliana gi|4539009|emb|CAB39630.1| (AL049481) putative protein [Arabidopsis thaliana] gi|7267702|emb|CAB78129.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85342	Strand	-
Start	4685	End	5207
Name	OJ991027_14.0308.C10.o1.gp	Method	AAT/GAP
Start	4685	End	5207
GI	none	Score	1021
Exons	4685..5207		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85343	Strand	-
Start	10075	End	14123
Name	OJ991027_14.0308.C10.o1.tm	Method	TBLASTX:Maize
Start	624	End	1033
GI	none	Score	158
Exons	624..740, 625..741, 626..748, 626..790, 855..983, 870..1028, 875..1033, 878..1033		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85343	Strand	-
Start	10075	End	14123
Name	OJ991027_14.0308.C10.o1.ts	Method	TBLASTX:Soybean
Start	899	End	3850
GI	none	Score	87
Exons	899..1012, 899..1027, 900..1028, 925..1032, 1311..1352, 1448..1501, 1593..1646, 2064..2180, 2068..2172, 2441..2545, 2442..2546, 2442..2549, 2443..2547, 2691..2771, 2719..2781,		

3435..3506, 3439..3498, 3622..3702, 3623..3700, 3812..3850, 3815..3850

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85343	Strand	-
Start	10075	End	14123
Name	OJ991027_14.0308.C10.o2.gs	Method	GENSCAN
Start	10075	End	14123
GI	none	Score	.74
Exons	10075..10113, 10790..11612, 12289..12364, 13613..14123		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85343	Strand	-
Start	10075	End	14123
Name	OJ991027_14.0308.C10.o2.tm	Method	TBLASTX:Maize
Start	12668	End	12902
GI	none	Score	97
Exons	12668..12787, 12676..12780, 12677..12784, 12772..12888, 12773..12901, 12780..12902, 12782..12901		

Seq. No.	41183	Seq. ID	OJ991027_14.0308.C10
Gene No.	85344	Strand	
Start	17977	End	18337
Name	OJ991027_14.0308.C10.o1.tw	Method	TBLASTX:Wheat
Start	17977	End	18337
GI	none	Score	289
Exons	17977..18327, 17978..18334, 17987..18337		

Seq. No.	41184	Seq. ID	OJ991027_14.0308.C11
Gene No.	85345	Strand	+
Start	450	End	710
Name	OJ991027_14.0308.C11.o1.gs	Method	GENSCAN
Start	450	End	710
GI	none	Score	.74
Exons	450..710		

Seq. No.	41185	Seq. ID	OJ991027_14.0308.C12
Gene No.	85346	Strand	+
Start	394	End	678
Name	OJ991027_14.0308.C12.o1.gp	Method	AAT/GAP
Start	394	End	678
GI	none	Score	538
Exons	394..678		

Seq. No.	41185	Seq. ID	OJ991027_14.0308.C12
Gene No.	85346	Strand	+
Start	394	End	678
Name	OJ991027_14.0308.C12.o1.gs	Method	GENSCAN
Start	399	End	617
GI	none	Score	.66
Exons	399..617		

Seq. No.	41186	Seq. ID	OJ991027_14.0308.C13
Gene No.	85347	Strand	+
Start	409	End	775
Name	OJ991027_14.0308.C13.o1.np	Method	AAT/NAP
Start	409	End	775

GI	7510076	Score	113
Exons	409..526, 560..775		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	41187	Seq. ID	OJ991027_14.0308.C15
Gene No.	85348	Strand	+
Start	454	End	678
Name	OJ991027_14.0308.C15.o1.gs	Method	GENSCAN
Start	454	End	678
GI	none	Score	.89
Exons	454..678		

Seq. No.	41187	Seq. ID	OJ991027_14.0308.C15
Gene No.	85349	Strand	+
Start	2072	End	4808
Name	OJ991027_14.0308.C15.o1.np	Method	AAT/NAP
Start	2072	End	4808
GI	7340904	Score	123
Exons	2072..2203, 2482..2590, 2620..2689, 4676..4808		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41188	Seq. ID	OJ991027_14.0308.C18
Gene No.	85350	Strand	+
Start	206	End	2500
Name	OJ991027_14.0308.C18.o1.np	Method	AAT/NAP
Start	206	End	2500
GI	7523416	Score	109
Exons	206..317, 2203..2500		
GI Descrip.	(AL138648) putative protein [Arabidopsis thaliana]		

Seq. No.	41188	Seq. ID	OJ991027_14.0308.C18
Gene No.	85350	Strand	+
Start	206	End	2500
Name	OJ991027_14.0308.C18.o1.gs	Method	GENSCAN
Start	395	End	2087
GI	none	Score	.67
Exons	395..490, 804..857, 885..960, 1052..1107, 2055..2087		

Seq. No.	41188	Seq. ID	OJ991027_14.0308.C18
Gene No.	85350	Strand	+
Start	206	End	2500
Name	OJ991027_14.0308.C18.o1.gp	Method	AAT/GAP
Start	1481	End	2038
GI	none	Score	1083
Exons	1481..2038		

Seq. No.	41188	Seq. ID	OJ991027_14.0308.C18
Gene No.	85351	Strand	+
Start	3293	End	5169
Name	OJ991027_14.0308.C18.o2.np	Method	AAT/NAP
Start	3182	End	5169
GI	7413567	Score	74
Exons	3182..3257, 3300..3467, 5129..5169		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		

Seq. No.	41188	Seq. ID	OJ991027_14.0308.C18
Gene No.	85351	Strand	+

Start	3293	End	5169
Name	OJ991027_14.0308.C18.o2.gs	Method	GENSCAN
Start	3293	End	4183
GI	none	Score	.99
Exons	3293..4183		

Seq. No.	41189	Seq. ID	OJ991027_14.0308.C19
Gene No.	85352	Strand	+
Start	146	End	7771
Name	OJ991027_14.0308.C19.o1.np	Method	AAT/NAP
Start	146	End	7771
GI	7486419	Score	115
Exons	146..296, 1373..1518, 6952..7073, 7636..7771		
GI Descrip.	hypothetical protein F4D11.90 - Arabidopsis thaliana gi|3063699|emb|CAA18590.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270175|emb|CAB79988.1| (AL161581) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41189	Seq. ID	OJ991027_14.0308.C19
Gene No.	85352	Strand	+
Start	146	End	7771
Name	OJ991027_14.0308.C19.o1.gs	Method	GENSCAN
Start	503	End	5064
GI	none	Score	.47
Exons	503..596, 1744..1808, 2030..2444, 3366..3536, 3631..3681, 4358..4683, 4947..5064		

Seq. No.	41189	Seq. ID	OJ991027_14.0308.C19
Gene No.	85353	Strand	-
Start	7065	End	7708
Name	OJ991027_14.0308.C19.o2.gs	Method	GENSCAN
Start	7065	End	7708
GI	none	Score	.54
Exons	7065..7179, 7280..7323, 7559..7708		

Seq. No.	41190	Seq. ID	OJ991027_14.0308.C20
Gene No.	85354	Strand	+
Start	122	End	1514
Name	OJ991027_14.0308.C20.o1.ts	Method	TBLASTX:Soybean
Start	86	End	1514
GI	none	Score	133
Exons	86..238, 123..239, 560..685, 573..722, 574..690, 599..694, 1039..1230, 1069..1269, 1070..1267, 1074..1292, 1076..1306, 1337..1504, 1345..1503, 1413..1514		

Seq. No.	41190	Seq. ID	OJ991027_14.0308.C20
Gene No.	85354	Strand	+
Start	122	End	1514
Name	OJ991027_14.0308.C20.o1.tm	Method	TBLASTX:Maize
Start	121	End	1402
GI	none	Score	69
Exons	121..192, 121..240, 122..241, 123..242, 210..266, 560..685, 569..694, 570..785, 1074..1307, 1074..1160, 1075..1263, 1076..1312, 1337..1402, 1348..1398		

Seq. No.	41190	Seq. ID	OJ991027_14.0308.C20
Gene No.	85354	Strand	+

Start	122	End	1514
Name	OJ991027_14.0308.C20.o1.tw	Method	TBLASTX:Wheat
Start	121	End	1221
GI	none	Score	181
Exons	121..237, 122..241, 123..242, 569..685, 570..716, 571..690, 1075..1221, 1076..1216	210..266, 241..264, 560..685, 1074..1220, 1074..1157,	

Seq. No.	41190	Seq. ID	OJ991027_14.0308.C20
Gene No.	85354	Strand	+
Start	122	End	1514
Name	OJ991027_14.0308.C20.o1.gp	Method	AAT/GAP
Start	122	End	265
GI	25175_1.R1084	Score	219
Exons	122..265		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	41190	Seq. ID	OJ991027_14.0308.C20
Gene No.	85354	Strand	+
Start	122	End	1514
Name	OJ991027_14.0308.C20.o1.gs	Method	GENSCAN
Start	124	End	1501
GI	none	Score	.74
Exons	124..237, 1111..1265, 1346..1501		

Seq. No.	41190	Seq. ID	OJ991027_14.0308.C20
Gene No.	85354	Strand	+
Start	122	End	1514
Name	OJ991027_14.0308.C20.o1.tc	Method	TBLASTX:Cress
Start	135	End	1258
GI	none	Score	127
Exons	135..242, 135..239, 137..241, 591..635, 643..681, 647..685, 1074..1160, 1076..1258	241..270, 242..274, 577..660, 1039..1230, 1074..1256,	

Seq. No.	41191	Seq. ID	OJ991027_14.0308.C23
Gene No.	85355	Strand	-
Start	1197	End	2842
Name	OJ991027_14.0308.C23.o1.gs	Method	GENSCAN
Start	1197	End	2808
GI	none	Score	.72
Exons	1197..1304, 1870..2808		

Seq. No.	41191	Seq. ID	OJ991027_14.0308.C23
Gene No.	85355	Strand	-
Start	1197	End	2842
Name	OJ991027_14.0308.C23.o1.np	Method	AAT/NAP
Start	2644	End	2842
GI	6979337	Score	74
Exons	2644..2842		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	41191	Seq. ID	OJ991027_14.0308.C23
Gene No.	85356	Strand	-
Start	3843	End	4433
Name	OJ991027_14.0308.C23.o2.gs	Method	GENSCAN

Start	3843	End	4433
GI	none	Score	.9
Exons	3843..4433		

Seq. No.	41191	Seq. ID	OJ991027_14.0308.C23
Gene No.	85357	Strand	-
Start	5419	End	5484
Name	OJ991027_14.0308.C23.o3.gs	Method	GENSCAN
Start	5419	End	5484
GI	none	Score	.57
Exons	5419..5484		

Seq. No.	41192	Seq. ID	OJ991027_14.0308.C24
Gene No.	85358	Strand	+
Start	1	End	1846
Name	OJ991027_14.0308.C24.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	1362009	Score	60
Exons	1..46, 1037..1244		
GI Descrip.	polyubiquitin 2 - Arabidopsis thaliana		

Seq. No.	41192	Seq. ID	OJ991027_14.0308.C24
Gene No.	85358	Strand	+
Start	1	End	1846
Name	OJ991027_14.0308.C24.o1.gs	Method	GENSCAN
Start	994	End	1846
GI	none	Score	.65
Exons	994..1095, 1147..1698, 1714..1846		

Seq. No.	41193	Seq. ID	OJ991027_14.0308.C25
Gene No.	85359	Strand	+
Start	151	End	854
Name	OJ991027_14.0308.C25.o1.gs	Method	GENSCAN
Start	151	End	854
GI	none	Score	.83
Exons	151..207, 499..632, 839..854		

Seq. No.	41194	Seq. ID	OJ991027_14.0308.C26
Gene No.	85360	Strand	+
Start	477	End	3724
Name	OJ991027_14.0308.C26.o1.gs	Method	GENSCAN
Start	477	End	2403
GI	none	Score	.8
Exons	477..1149, 1428..1471, 1654..1722, 2261..2403		

Seq. No.	41194	Seq. ID	OJ991027_14.0308.C26
Gene No.	85360	Strand	+
Start	477	End	3724
Name	OJ991027_14.0308.C26.o1.np	Method	AAT/NAP
Start	647	End	3724
GI	7340868	Score	212
Exons	647..740, 2330..2508, 3691..3724		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41194	Seq. ID	OJ991027_14.0308.C26
Gene No.	85360	Strand	+
Start	477	End	3724

Name	OJ991027_14.0308.C26.o1.gp	Method	AAT/GAP
Start	2212	End	2537
GI	LIB3432-058-P1-K1-E12	Score	356
Exons	2212..2537		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85361	Strand	+
Start	562	End	1177
Name	OJ991027_14.0308.C27.o1.gp	Method	AAT/GAP
Start	562	End	1177
GI	286929	Score	657
Exons	562..786, 1061..1177		
GI Descrip.	3786016 2.0e-11 (AC005499) putative elongation factor [Arabidopsis thaliana]		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85362	Strand	-
Start	291	End	3537
Name	OJ991027_14.0308.C27.o1.gs	Method	GENSCAN
Start	291	End	3537
GI	none	Score	.99
Exons	291..1232, 3358..3537		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85362	Strand	-
Start	291	End	3537
Name	OJ991027_14.0308.C27.o1.np	Method	AAT/NAP
Start	294	End	1249
GI	3786016	Score	643
Exons	294..1249		
GI Descrip.	(AC005499) putative elongation factor [Arabidopsis thaliana]		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85363	Strand	-
Start	4468	End	7719
Name	OJ991027_14.0308.C27.o2.gs	Method	GENSCAN
Start	4468	End	7719
GI	none	Score	.78
Exons	4468..4551, 5568..5717, 6046..6182, 6909..6930, 7020..7125, 7256..7719		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85363	Strand	-
Start	4468	End	7719
Name	OJ991027_14.0308.C27.o2.gp	Method	AAT/GAP
Start	4579	End	5634
GI	3768331	Score	729
Exons	4579..4954, 5568..5634		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85363	Strand	-
Start	4468	End	7719
Name	OJ991027_14.0308.C27.o2.np	Method	AAT/NAP
Start	5497	End	7501
GI	4895223	Score	1181

Exons	5497..5717, 5803..5952, 6043..6182, 6438..6500, 6729..6930, 7020..7149, 7256..7501
GI Descrip.	(AC007660) glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o1.tm	Method	TBLASTX:Maize
Start	290	End	3426
GI	none	Score	355
Exons	290..445, 291..863, 294..857, 370..906, 397..885, 933..1043, 1045..1131, 1120..1278, 1120..1227, 1122..1232, 3337..3426, 3352..3426		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o2.ts	Method	TBLASTX:Soybean
Start	465	End	885
GI	none	Score	119
Exons	465..689, 544..690, 562..705, 732..860, 784..885		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o2.tm	Method	TBLASTX:Maize
Start	5685	End	6199
GI	none	Score	55
Exons	5685..5717, 5686..5718, 5686..5718, 5800..5958, 5800..5955, 5801..5956, 5802..5957, 6043..6195, 6047..6190, 6047..6199		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o3.gp	Method	AAT/GAP
Start	8590	End	10636
GI	1211_1.R1084	Score	1361
Exons	8590..8865, 8958..9023, 9285..9570, 10415..10473, 10566..10636		
GI Descrip.	'5106775/gb|AAD39838.1|AF067732_1 3.0e-64 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o1.ts	Method	TBLASTX:Soybean
Start	8658	End	9516
GI	none	Score	59
Exons	8658..8756, 8669..8752, 8673..8774, 8800..8892, 8801..8893, 8805..8906, 8952..9023, 8991..9023, 8995..9024, 9273..9515, 9282..9515, 9283..9516		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o3.tm	Method	TBLASTX:Maize
Start	8661	End	9547

GI	none	Score	46
Exons	8661..8687, 8662..8688, 8801..8893, 8803..8892, 8805..8906, 8952..9023, 8991..9023, 8995..9024, 9273..9542, 9282..9533, 9289..9546, 9290..9547		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o1.tc	Method	TBLASTX:Cress
Start	8803	End	9528
GI	none	Score	121
Exons	8803..8892, 8991..9023, 9273..9527, 9282..9527, 9286..9528		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o3.gs	Method	GENSCAN
Start	8806	End	10473
GI	none	Score	.87
Exons	8806..8865, 8958..9023, 9285..9526, 10415..10473		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o3.np	Method	AAT/NAP
Start	8809	End	9593
GI	5106775	Score	573
Exons	8809..8865, 8958..9023, 9285..9593		
GI Descrip.	(AF067732) ribosomal protein S12 [Hordeum vulgare]		

Seq. No.	41195	Seq. ID	OJ991027_14.0308.C27
Gene No.	85364	Strand	-
Start	8806	End	10636
Name	OJ991027_14.0308.C27.o1.tw	Method	TBLASTX:Wheat
Start	9282	End	9544
GI	none	Score	297
Exons	9282..9533, 9283..9534, 9289..9540, 9476..9544		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85365	Strand	+
Start	1824	End	2337
Name	OJ991027_14.0308.C28.o1.gp	Method	AAT/GAP
Start	1824	End	2337
GI	none	Score	542
Exons	1824..1999, 2100..2140, 2249..2337		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85366	Strand	-
Start	384	End	5917
Name	OJ991027_14.0308.C28.o1.gs	Method	GENSCAN
Start	384	End	3028
GI	none	Score	.58
Exons	384..908, 984..1035, 1241..1297, 3006..3028		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85366	Strand	-
Start	384	End	5917

Name	OJ991027_14.0308.C28.o1.np	Method	AAT/NAP
Start	2865	End	5917
GI	4680207	Score	633
Exons	2865..3022, 3885..4964, 5004..5917		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85366	Strand	-
Start	384	End	5917
Name	OJ991027_14.0308.C28.o2.gs	Method	GENSCAN
Start	3808	End	5751
GI	none	Score	.68
Exons	3808..4248, 4577..5396, 5645..5751		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85366	Strand	-
Start	384	End	5917
Name	OJ991027_14.0308.C28.o1.tm	Method	TBLASTX:Maize
Start	5132	End	5626
GI	none	Score	35
Exons	5132..5218, 5208..5312, 5234..5302, 5327..5473, 5331..5477, 5545..5625, 5546..5626		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85366	Strand	-
Start	384	End	5917
Name	OJ991027_14.0308.C28.o1.ts	Method	TBLASTX:Soybean
Start	5135	End	5631
GI	none	Score	67
Exons	5135..5209, 5318..5488, 5334..5465, 5447..5611, 5488..5631		

Seq. No.	41196	Seq. ID	OJ991027_14.0308.C28
Gene No.	85366	Strand	-
Start	384	End	5917
Name	OJ991027_14.0308.C28.o1.tw	Method	TBLASTX:Wheat
Start	5334	End	5628
GI	none	Score	120
Exons	5334..5471, 5336..5470, 5345..5500, 5494..5532, 5545..5628, 5546..5626		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o1.np	Method	AAT/NAP
Start	1	End	1603
GI	7452413	Score	1070
Exons	1..254, 342..577, 633..1145, 1190..1315, 1523..1603		
GI Descrip.	hypothetical protein dl3025c - Arabidopsis thaliana gi|2244753|emb|CAB10176.1| (Z97335) hypothetical protein [Arabidopsis thaliana] gi|7268101|emb|CAB78439.1| (AL161537) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o1.ts	Method	TBLASTX:Soybean

Start	23	End	551
GI	none	Score	102
Exons	23..262, 24..257, 341..547, 357..551		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o1.tm	Method	TBLASTX:Maize
Start	206	End	751
GI	none	Score	72
Exons	206..256, 207..257, 341..547, 342..542, 343..543, 578..748, 633..749, 633..749, 634..750, 635..751		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o1.gs	Method	GENSCAN
Start	342	End	7072
GI	none	Score	.64
Exons	342..541, 633..1284, 1528..1659, 2419..2572, 2621..2664, 4513..4655, 5989..6141, 6568..6622, 7005..7072		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o2.tc	Method	TBLASTX:Cress
Start	1038	End	1248
GI	none	Score	113
Exons	1038..1247, 1039..1248		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o1.tc	Method	TBLASTX:Cress
Start	1248	End	1802
GI	none	Score	156
Exons	1248..1283, 1524..1799, 1525..1800, 1525..1800, 1527..1802		

Seq. No.	41197	Seq. ID	OJ991027_14.0308.C31
Gene No.	85367	Strand	-
Start	1	End	7530
Name	OJ991027_14.0308.C31.o2.np	Method	AAT/NAP
Start	2461	End	7530
GI	1351865	Score	130
Exons	2461..2683, 7381..7530		
GI Descrip.	ACROSIN PRECURSOR gi|1085468|pir||S47538 acrosin (EC 3.4.21.10) precursor - rabbit gi|451842 (U05204) preproacrosin [Oryctolagus cuniculus] gi|1090525|prf||2019255A prepro-acrosin [Oryctolagus cuniculus]		

Seq. No.	41198	Seq. ID	OJ991027_14.0308.C32
Gene No.	85368	Strand	+
Start	108	End	539
Name	OJ991027_14.0308.C32.o1.gs	Method	GENSCAN
Start	108	End	539
GI	none	Score	.76
Exons	108..539		

Seq. No.	41199	Seq. ID	OJ991027_14.0308.C36
Gene No.	85369	Strand	+
Start	808	End	3192
Name	OJ991027_14.0308.C36.o1.gs	Method	GENSCAN
Start	808	End	3192
GI	none	Score	.71
Exons	808..1027, 2124..2225, 2937..3094, 3165..3192		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85370	Strand	+
Start	15281	End	15799
Name	OJ991027_14.0308.C39.o1.gp	Method	AAT/GAP
Start	15281	End	15799
GI	38782_1.R1084	Score	790
Exons	15281..15799		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85371	Strand	+
Start	15934	End	26567
Name	OJ991027_14.0308.C39.o2.np	Method	AAT/NAP
Start	15924	End	19845
GI	7106512	Score	1922
Exons	15924..15984, 16057..16221, 16359..17149, 17219..17588, 18046..19231, 19280..19445, 19500..19845		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85371	Strand	+
Start	15934	End	26567
Name	OJ991027_14.0308.C39.o4.gs	Method	GENSCAN
Start	15934	End	26567
GI	none	Score	.52
Exons	15934..15989, 16057..16117, 16123..16626, 16670..16805, 17215..17434, 18203..18799, 18842..19185, 19191..19445, 19470..19597, 19599..19778, 20554..20743, 23069..23215, 24634..24801, 25939..26024, 26469..26567		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85371	Strand	+
Start	15934	End	26567
Name	OJ991027_14.0308.C39.o3.np	Method	AAT/NAP
Start	19370	End	23350
GI	5091513	Score	153
Exons	19370..19597, 20345..20720, 23245..23350		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85372	Strand	+
Start	29700	End	30105
Name	OJ991027_14.0308.C39.o2.gp	Method	AAT/GAP
Start	29700	End	30105
GI	7406_1.R1084	Score	656
Exons	29700..30105		

GI Descrip. '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85373	Strand	-
Start	1990	End	2217
Name	OJ991027_14.0308.C39.o1.gs	Method	GENSCAN
Start	1990	End	2217
GI	none	Score	.57
Exons	1990..2217		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85374	Strand	-
Start	7166	End	7553
Name	OJ991027_14.0308.C39.o1.np	Method	AAT/NAP
Start	7166	End	7553
GI	7523501	Score	254
Exons	7166..7305, 7331..7553		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85375	Strand	-
Start	13090	End	15028
Name	OJ991027_14.0308.C39.o3.gs	Method	GENSCAN
Start	13090	End	15028
GI	none	Score	.83
Exons	13090..13634, 14431..14516, 14552..14649, 14978..15028		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85376	Strand	-
Start	30326	End	36285
Name	OJ991027_14.0308.C39.o4.np	Method	AAT/NAP
Start	29299	End	36285
GI	7228438	Score	5493
Exons	29299..29317, 31172..31242, 31280..31462, 31555..31813, 31890..32188, 32282..32692, 32777..32875, 34325..36285		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85376	Strand	-
Start	30326	End	36285
Name	OJ991027_14.0308.C39.o3.gp	Method	AAT/GAP
Start	30048	End	30501
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	30048..30501		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85376	Strand	-
Start	30326	End	36285
Name	OJ991027_14.0308.C39.o6.gs	Method	GENSCAN
Start	30326	End	35926
GI	none	Score	.57
Exons	30326..30486, 30637..30839, 30844..30891, 30955..31086,		

31177..31214, 31280..31462, 31555..31813, 31890..32188,
32282..32692, 32777..33113, 33219..33369, 33745..33926,
34242..35926

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85376	Strand	-
Start	30326	End	36285
Name	OJ991027_14.0308.C39.o4.gp	Method	AAT/GAP
Start	31563	End	32062
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	31563..31813, 31890..32062		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85376	Strand	-
Start	30326	End	36285
Name	OJ991027_14.0308.C39.o5.gp	Method	AAT/GAP
Start	34885	End	35316
GI	5701669	Score	841
Exons	34885..35316		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o2.tm	Method	TBLASTX:Maize
Start	1996	End	2221
GI	none	Score	200
Exons	1996..2208, 2003..2221		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o4.tm	Method	TBLASTX:Maize
Start	5685	End	27140
GI	none	Score	155
Exons	5685..5774, 5862..5981, 5983..6006, 26592..26906, 26958..27140		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o3.tm	Method	TBLASTX:Maize
Start	9100	End	9516
GI	none	Score	137
Exons	9100..9225, 9259..9516		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o2.tw	Method	TBLASTX:Wheat
Start	9332	End	9577
GI	none	Score	100
Exons	9332..9577, 9337..9576		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o1.tw	Method	TBLASTX:Wheat
Start	34685	End	35065
GI	none	Score	79
Exons	34685..34861, 34715..34861, 34746..34865, 34859..35056, 34871..35065		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o1.tm	Method	TBLASTX:Maize
Start	34763	End	35359
GI	none	Score	151
Exons	34763..34834, 34898..35197, 34959..35180, 35231..35359, 35253..35351		

Seq. No.	41200	Seq. ID	OJ991027_14.0308.C39
Gene No.	85377	Strand	-
Start	36827	End	36943
Name	OJ991027_14.0308.C39.o6.gp	Method	AAT/GAP
Start	36827	End	36943
GI	7406_1.R1084	Score	174
Exons	36827..36943		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41201	Seq. ID	OJ991027_14.0308.C40
Gene No.	85378	Strand	+
Start	3667	End	4094
Name	OJ991027_14.0308.C40.o1.gp	Method	AAT/GAP
Start	3667	End	4094
GI	uC-osflcyp143h03b1	Score	673
Exons	3667..3719, 3782..4094		
GI Descrip.	'3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	41201	Seq. ID	OJ991027_14.0308.C40
Gene No.	85379	Strand	-
Start	1140	End	2739
Name	OJ991027_14.0308.C40.o1.gs	Method	GENSCAN
Start	1140	End	2739
GI	none	Score	.7
Exons	1140..1159, 2556..2739		

Seq. No.	41201	Seq. ID	OJ991027_14.0308.C40
Gene No.	85380	Strand	-
Start	4383	End	4462
Name	OJ991027_14.0308.C40.o2.gs	Method	GENSCAN
Start	4383	End	4462
GI	none	Score	.91
Exons	4383..4462		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85381	Strand	+

Start	366	End	832
Name	OJ991217_19.0303.C1.o1.gs	Method	GENSCAN
Start	366	End	832
GI	none	Score	.42
Exons	366..832		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85382	Strand	+
Start	3361	End	3527
Name	OJ991217_19.0303.C1.o1.gp	Method	AAT/GAP
Start	3361	End	3504
GI	21474_1.R1084	Score	245
Exons	3361..3504		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85382	Strand	+
Start	3361	End	3527
Name	OJ991217_19.0303.C1.o3.np	Method	AAT/NAP
Start	3399	End	3527
GI	7106528	Score	105
Exons	3399..3527		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85383	Strand	+
Start	7146	End	7410
Name	OJ991217_19.0303.C1.o3.gp	Method	AAT/GAP
Start	7146	End	7410
GI	2310235	Score	345
Exons	7146..7410		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85384	Strand	-
Start	598	End	3348
Name	OJ991217_19.0303.C1.o1.np	Method	AAT/NAP
Start	598	End	1813
GI	7248393	Score	445
Exons	598..648, 1121..1416, 1504..1813		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85384	Strand	-
Start	598	End	3348
Name	OJ991217_19.0303.C1.o2.np	Method	AAT/NAP
Start	644	End	1984
GI	7340868	Score	37
Exons	644..681, 1857..1984		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85384	Strand	-
Start	598	End	3348

Name	OJ991217_19.0303.C1.o2.gs	Method	GENSCAN
Start	1646	End	3348
GI	none	Score	.91
Exons	1646..1969, 2839..2885, 3297..3348		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85385	Strand	-
Start	3895	End	7605
Name	OJ991217_19.0303.C1.o3.gs	Method	GENSCAN
Start	3895	End	7590
GI	none	Score	.73
Exons	3895..4080, 4160..4258, 4353..4425, 4510..4620, 4717..4890, 5000..5685, 5687..5832, 5958..6099, 6174..6257, 6296..7250, 7262..7590		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85385	Strand	-
Start	3895	End	7605
Name	OJ991217_19.0303.C1.o4.np	Method	AAT/NAP
Start	3913	End	7605
GI	4680204	Score	1056
Exons	3913..4050, 4401..4620, 4717..4890, 5000..6099, 6174..7605		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85385	Strand	-
Start	3895	End	7605
Name	OJ991217_19.0303.C1.o2.tw	Method	TBLASTX:Wheat
Start	4551	End	5073
GI	none	Score	68
Exons	4551..4622, 4722..4904, 4729..4854, 4993..5073		

Seq. No.	41202	Seq. ID	OJ991217_19.0303.C1
Gene No.	85385	Strand	-
Start	3895	End	7605
Name	OJ991217_19.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	6566	End	6969
GI	none	Score	84
Exons	6566..6736, 6699..6866, 6731..6967, 6818..6967, 6829..6969, 6859..6969		

Seq. No.	41203	Seq. ID	OJ991217_19.0303.C2
Gene No.	85386	Strand	+
Start	88	End	396
Name	OJ991217_19.0303.C2.o1.gs	Method	GENSCAN
Start	88	End	396
GI	none	Score	.64
Exons	88..156, 244..396		

Seq. No.	41203	Seq. ID	OJ991217_19.0303.C2
Gene No.	85387	Strand	-
Start	521	End	1196
Name	OJ991217_19.0303.C2.o1.gp	Method	AAT/GAP
Start	521	End	1196
GI	342_1.R1084	Score	1005
Exons	521..1196		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	41204	Seq. ID	OJ991217_19.0303.C3
Gene No.	85388	Strand	+
Start	6248	End	6337
Name	OJ991217_19.0303.C3.o2.np	Method	AAT/NAP
Start	6248	End	6337
GI	4680183	Score	80
Exons	6248..6337		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	41204	Seq. ID	OJ991217_19.0303.C3
Gene No.	85389	Strand	-
Start	539	End	8330
Name	OJ991217_19.0303.C3.o1.np	Method	AAT/NAP
Start	539	End	4290
GI	6862915	Score	177
Exons	539..568, 2419..2539, 3727..3862, 4201..4290		
GI Descrip.	(AC018907) putative dual-specificity protein phosphatase [Arabidopsis thaliana]		

Seq. No.	41204	Seq. ID	OJ991217_19.0303.C3
Gene No.	85389	Strand	-
Start	539	End	8330
Name	OJ991217_19.0303.C3.o1.gs	Method	GENSCAN
Start	2056	End	8330
GI	none	Score	.78
Exons	2056..2059, 2419..2539, 3330..3353, 3727..3862, 4392..4600, 5064..5198, 6372..6598, 7460..7572, 8129..8330		

Seq. No.	41204	Seq. ID	OJ991217_19.0303.C3
Gene No.	85389	Strand	-
Start	539	End	8330
Name	OJ991217_19.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	2405	End	4502
GI	none	Score	138
Exons	2405..2542, 2419..2589, 2430..2540, 3711..3890, 3713..3862, 3727..3891, 3786..3863, 4381..4458, 4392..4502, 4398..4463, 4399..4464		

Seq. No.	41204	Seq. ID	OJ991217_19.0303.C3
Gene No.	85389	Strand	-
Start	539	End	8330
Name	OJ991217_19.0303.C3.o1.gp	Method	AAT/GAP
Start	5523	End	5633
GI	uC-osflcyp088b12b1	Score	132
Exons	5523..5633		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41205	Seq. ID	OJ991217_19.0303.C4
Gene No.	85390	Strand	+
Start	1460	End	9383
Name	OJ991217_19.0303.C4.o1.gs	Method	GENSCAN
Start	1460	End	5914
GI	none	Score	.52
Exons	1460..1571, 2159..2816, 3536..3664, 3813..3960, 5047..5126,		

5474..5914

Seq. No.	41205	Seq. ID	OJ991217_19.0303.C4
Gene No.	85390	Strand	+
Start	1460	End	9383
Name	OJ991217_19.0303.C4.o1.np	Method	AAT/NAP
Start	2852	End	8419
GI	6815052	Score	1623
Exons	2852..3005, 3087..3161, 3442..3565, 3865..3956, 4820..4918, 5483..5626, 5675..6366, 6448..6523, 8298..8419		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	41205	Seq. ID	OJ991217_19.0303.C4
Gene No.	85390	Strand	+
Start	1460	End	9383
Name	OJ991217_19.0303.C4.o2.np	Method	AAT/NAP
Start	5336	End	9334
GI	6691191	Score	251
Exons	5336..5396, 8979..9334		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	41205	Seq. ID	OJ991217_19.0303.C4
Gene No.	85390	Strand	+
Start	1460	End	9383
Name	OJ991217_19.0303.C4.o3.gs	Method	GENSCAN
Start	7499	End	9383
GI	none	Score	.85
Exons	7499..7579, 7907..8028, 8298..8342, 8423..8740, 8807..9383		

Seq. No.	41205	Seq. ID	OJ991217_19.0303.C4
Gene No.	85391	Strand	-
Start	6246	End	6869
Name	OJ991217_19.0303.C4.o2.gs	Method	GENSCAN
Start	6246	End	6869
GI	none	Score	.94
Exons	6246..6869		

Seq. No.	41205	Seq. ID	OJ991217_19.0303.C4
Gene No.	85392	Strand	
Start	8982	End	9302
Name	OJ991217_19.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	8982	End	9302
GI	none	Score	241
Exons	8982..9302, 9110..9301		

Seq. No.	41206	Seq. ID	OJ991217_19.0303.C5
Gene No.	85393	Strand	-
Start	4438	End	6609
Name	OJ991217_19.0303.C5.o1.np	Method	AAT/NAP
Start	4438	End	6609
GI	7508595	Score	99
Exons	4438..4545, 6487..6609		
GI Descrip.	hypothetical protein T27E9.7 - Caenorhabditis elegans gi|3880282|emb|CAB04880.1| (Z82059) similar to ABC transporters (2 domains); cDNA EST EMBL:D73856 comes from this gene; cDNA EST EMBL:D73975 comes from this gene; cDNA EST EMBL:C09722 comes from this gene; cDNA EST yk428c4.5 comes from this gene; cDNA		

EST EMBL:T00152 comes from > gi|3881299|emb|CAA21772.1|
(AL032665) sim

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85394	Strand	+
Start	10369	End	11277
Name	OJ991217_19.0303.C6.o2.gs	Method	GENSCAN
Start	10369	End	11277
GI	none	Score	.49
Exons	10369..11277		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85395	Strand	-
Start	2067	End	2321
Name	OJ991217_19.0303.C6.o1.gp	Method	AAT/GAP
Start	2067	End	2321
GI	4878415	Score	464
Exons	2067..2321		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o3.gs	Method	GENSCAN
Start	11850	End	20404
GI	none	Score	.67
Exons	11850..12245, 12261..12640, 12908..13323, 13341..13690, 13768..14975, 15213..15785, 15936..16052, 16119..16294, 16376..16409, 16681..16881, 18810..19059, 19811..20404		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o1.np	Method	AAT/NAP
Start	11853	End	16409
GI	4680179	Score	7289
Exons	11853..16409		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o6.tw	Method	TBLASTX:Wheat
Start	11863	End	12231
GI	none	Score	35
Exons	11863..11916, 11898..12230, 12016..12231		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o7.tm	Method	TBLASTX:Maize
Start	11877	End	12074
GI	none	Score	187
Exons	11877..12074		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126

Name	OJ991217_19.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	12078	End	12677
GI	none	Score	226
Exons	12078..12518, 12094..12516, 12516..12677, 12523..12669		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	12231	End	12857
GI	none	Score	361
Exons	12231..12857, 12232..12855		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o4.tm	Method	TBLASTX:Maize
Start	12729	End	13017
GI	none	Score	216
Exons	12729..13016, 12730..13017		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o2.ts	Method	TBLASTX:Soybean
Start	12816	End	13076
GI	none	Score	149
Exons	12816..13076, 12817..13071, 12915..13073		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o4.tw	Method	TBLASTX:Wheat
Start	12864	End	13272
GI	none	Score	233
Exons	12864..13271, 12865..13119, 12897..13253, 13171..13272		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	13346	End	13851
GI	none	Score	288
Exons	13346..13723, 13437..13724, 13720..13851, 13733..13840		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	13425	End	13779
GI	none	Score	220
Exons	13425..13721, 13430..13723, 13437..13721, 13445..13726, 13564..13743, 13720..13779		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126

Name	OJ991217_19.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	13816	End	14316
GI	none	Score	63
Exons	13816..14151, 13855..14064, 14137..14316		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o5.tw	Method	TBLASTX:Wheat
Start	13852	End	14154
GI	none	Score	209
Exons	13852..14154, 13853..14122, 14073..14153		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	13867	End	14262
GI	none	Score	98
Exons	13867..14226, 13961..14122, 14230..14262, 14234..14260		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o3.tw	Method	TBLASTX:Wheat
Start	14203	End	14685
GI	none	Score	194
Exons	14203..14685, 14248..14574, 14261..14581		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o5.tm	Method	TBLASTX:Maize
Start	14384	End	14673
GI	none	Score	162
Exons	14384..14575, 14386..14673, 14422..14577		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o8.tw	Method	TBLASTX:Wheat
Start	14860	End	15264
GI	none	Score	64
Exons	14860..15009, 14861..14959, 14893..15000, 15070..15264, 15143..15214		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o6.tm	Method	TBLASTX:Maize
Start	15607	End	15903
GI	none	Score	84
Exons	15607..15903, 15716..15886		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126

Name	OJ991217_19.0303.C6.o7.tw	Method	TBLASTX:Wheat
Start	15784	End	16142
GI	none	Score	92
Exons	15784..16065, 15785..15985, 16065..16142		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o2.np	Method	AAT/NAP
Start	16670	End	20338
GI	5042448	Score	1293
Exons	16670..16955, 19767..20338		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	41207	Seq. ID	OJ991217_19.0303.C6
Gene No.	85396	Strand	-
Start	11850	End	21126
Name	OJ991217_19.0303.C6.o3.np	Method	AAT/NAP
Start	19092	End	21126
GI	7340881	Score	112
Exons	19092..19118, 20882..20914, 21020..21126		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85397	Strand	+
Start	1	End	524
Name	OJ991217_19.0303.C7.o2.np	Method	AAT/NAP
Start	1	End	524
GI	4680183	Score	116
Exons	1..79, 435..524		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85398	Strand	+
Start	1839	End	2468
Name	OJ991217_19.0303.C7.o3.np	Method	AAT/NAP
Start	1839	End	2468
GI	6721559	Score	699
Exons	1839..2300, 2335..2468		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85399	Strand	+
Start	4282	End	4676
Name	OJ991217_19.0303.C7.o1.gp	Method	AAT/GAP
Start	4282	End	4676
GI	25792_1.R1084	Score	391
Exons	4282..4540, 4645..4676		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85400	Strand	+
Start	6030	End	10080

Name	OJ991217_19.0303.C7.o6.np	Method	AAT/NAP
Start	6030	End	10080
GI	4680183	Score	116
Exons	6030..6059, 9989..10080		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85401	Strand	-
Start	312	End	402
Name	OJ991217_19.0303.C7.o1.np	Method	AAT/NAP
Start	312	End	402
GI	6721561	Score	127
Exons	312..402		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o1.gs	Method	GENSCAN
Start	1421	End	7508
GI	none	Score	.64
Exons	1421..1572, 1627..1692, 1785..1958, 3861..3900, 4377..4457, 4541..4689, 6745..6928, 7431..7508		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o4.np	Method	AAT/NAP
Start	3311	End	8949
GI	6705984	Score	6972
Exons	3311..3338, 4515..8949		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o3.tw	Method	TBLASTX:Wheat
Start	4501	End	4895
GI	none	Score	436
Exons	4501..4716, 4512..4895, 4514..4894		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o4.tm	Method	TBLASTX:Maize
Start	4501	End	4732
GI	none	Score	226
Exons	4501..4725, 4506..4730, 4514..4732		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o9.tm	Method	TBLASTX:Maize

Start	4736	End	5023
GI	none	Score	188
Exons	4736..5023		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o4.tw	Method	TBLASTX:Wheat
Start	4928	End	5287
GI	none	Score	324
Exons	4928..5287, 4938..5276, 4942..5283		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	5032	End	5381
GI	none	Score	290
Exons	5032..5370, 5036..5374, 5036..5380, 5043..5381		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	5099	End	5468
GI	none	Score	228
Exons	5099..5461, 5100..5468		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	5413	End	5840
GI	none	Score	519
Exons	5413..5658, 5414..5839, 5415..5840		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o8.tm	Method	TBLASTX:Maize
Start	5471	End	5635
GI	none	Score	99
Exons	5471..5629, 5471..5635, 5472..5633		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o5.ts	Method	TBLASTX:Soybean
Start	5561	End	5755
GI	none	Score	59
Exons	5561..5647, 5562..5645, 5643..5741, 5651..5755		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o2.ts	Method	TBLASTX:Soybean
Start	5760	End	6016

GI	none	Score	194
Exons	5760..5990, 5760..5960, 5762..6016, 5777..6013		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	5804	End	6280
GI	none	Score	62
Exons	5804..6280, 5855..6043, 5859..6239		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o7.tw	Method	TBLASTX:Wheat
Start	5927	End	6328
GI	none	Score	101
Exons	5927..6328, 6036..6281		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	6041	End	6400
GI	none	Score	117
Exons	6041..6400, 6042..6281, 6360..6395		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	6323	End	6790
GI	none	Score	112
Exons	6323..6790, 6366..6578, 6518..6700		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o6.tw	Method	TBLASTX:Wheat
Start	6377	End	6859
GI	none	Score	132
Exons	6377..6859, 6381..6590		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o7.tm	Method	TBLASTX:Maize
Start	6815	End	7063
GI	none	Score	157
Exons	6815..6964, 6816..6956, 6947..7063		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o8.tw	Method	TBLASTX:Wheat
Start	6911	End	7162
GI	none	Score	101

Exons	6911..7135, 6912..7016, 7130..7162		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o5.tw	Method	TBLASTX:Wheat
Start	7173	End	7663
GI	none	Score	98
Exons	7173..7379, 7231..7365, 7384..7509, 7386..7517, 7399..7518, 7418..7543, 7517..7663, 7518..7655		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o3.ts	Method	TBLASTX:Soybean
Start	7185	End	7430
GI	none	Score	98
Exons	7185..7430, 7249..7425		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o5.tm	Method	TBLASTX:Maize
Start	7185	End	7430
GI	none	Score	98
Exons	7185..7430, 7249..7425		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o5.np	Method	AAT/NAP
Start	7897	End	9958
GI	6721561	Score	129
Exons	7897..8044, 9853..9958		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o2.gs	Method	GENSCAN
Start	7943	End	11837
GI	none	Score	.58
Exons	7943..8053, 8695..8947, 9357..9385, 10794..10943, 11126..11355, 11490..11837		
Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	8041	End	8616
GI	none	Score	152
Exons	8041..8391, 8042..8419, 8045..8143, 8047..8400, 8243..8404, 8424..8582, 8428..8574, 8428..8616, 8435..8599		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o4.ts	Method	TBLASTX:Soybean
Start	8173	End	8569
GI	none	Score	63
Exons	8173..8394, 8428..8568, 8435..8569		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o6.tm	Method	TBLASTX:Maize
Start	8377	End	8613
GI	none	Score	168
Exons	8377..8613, 8390..8599		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o7.np	Method	AAT/NAP
Start	8486	End	11715
GI	7340881	Score	160
Exons	8486..8517, 10794..11040, 11107..11281, 11539..11715		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41208	Seq. ID	OJ991217_19.0303.C7
Gene No.	85402	Strand	-
Start	1421	End	11837
Name	OJ991217_19.0303.C7.o2.gp	Method	AAT/GAP
Start	9251	End	9363
GI	uC-osf1cyp088b12b1	Score	145
Exons	9251..9363		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85403	Strand	+
Start	4	End	1042
Name	OJ991217_19.0303.C8.o1.gs	Method	GENSCAN
Start	4	End	1042
GI	none	Score	.41
Exons	4..64, 856..875, 935..1042		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85404	Strand	+
Start	2220	End	5746
Name	OJ991217_19.0303.C8.o2.gs	Method	GENSCAN
Start	2220	End	5746
GI	none	Score	.51
Exons	2220..2329, 2583..3497, 3694..3861, 3948..5313, 5342..5746		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85404	Strand	+
Start	2220	End	5746
Name	OJ991217_19.0303.C8.o1.np	Method	AAT/NAP
Start	2602	End	5743

GI	6907089	Score	3999
Exons	2602..3861, 3948..5743		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o2.np	Method	AAT/NAP
Start	6369	End	12314
GI	7228457	Score	8473
Exons	6369..7909, 7976..8935, 9058..9892, 9956..11886, 11948..12314		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o5.tw	Method	TBLASTX:Wheat
Start	6378	End	6970
GI	none	Score	78
Exons	6378..6503, 6382..6504, 6534..6623, 6632..6970, 6675..6965		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o4.tw	Method	TBLASTX:Wheat
Start	6971	End	7352
GI	none	Score	238
Exons	6971..7351, 7002..7352		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	7157	End	7489
GI	none	Score	84
Exons	7157..7369, 7166..7489, 7179..7460		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o8.tw	Method	TBLASTX:Wheat
Start	7682	End	7994
GI	none	Score	66
Exons	7682..7942, 7818..7994		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o2.ts	Method	TBLASTX:Soybean
Start	7742	End	8308
GI	5666795	Score	64
Exons	7742..7942, 7997..8134, 8210..8308		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8

Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o6.tw	Method	TBLASTX:Wheat
Start	7997	End	8455
GI	none	Score	88
Exons	7997..8146, 7998..8135, 8190..8378, 8207..8431, 8234..8455		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	8864	End	9265
GI	none	Score	91
Exons	8864..9265, 9075..9242		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o2.tw	Method	TBLASTX:Wheat
Start	8894	End	9313
GI	none	Score	270
Exons	8894..9313, 8919..9290, 9035..9310		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o3.tm	Method	TBLASTX:Maize
Start	8987	End	9370
GI	none	Score	189
Exons	8987..9370, 9006..9260, 9101..9370		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	9398	End	9754
GI	none	Score	73
Exons	9398..9514, 9398..9754, 9408..9719		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	9422	End	9885
GI	none	Score	193
Exons	9422..9883, 9428..9883, 9429..9884, 9442..9885		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o3.ts	Method	TBLASTX:Soybean
Start	9479	End	9844
GI	none	Score	116
Exons	9479..9613, 9620..9844		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-

Start	6369	End	12314
Name	OJ991217_19.0303.C8.o3.tw	Method	TBLASTX:Wheat
Start	10049	End	10535
GI	none	Score	166
Exons	10049..10534, 10080..10340, 10362..10535		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o7.tw	Method	TBLASTX:Wheat
Start	11273	End	11662
GI	none	Score	86
Exons	11273..11530, 11307..11546, 11513..11605, 11514..11594, 11618..11662		

Seq. No.	41209	Seq. ID	OJ991217_19.0303.C8
Gene No.	85405	Strand	-
Start	6369	End	12314
Name	OJ991217_19.0303.C8.o4.tm	Method	TBLASTX:Maize
Start	11375	End	11623
GI	none	Score	102
Exons	11375..11623, 11376..11588		

Seq. No.	41210	Seq. ID	OJ991217_19.0303.C9
Gene No.	85406	Strand	+
Start	1320	End	1835
Name	OJ991217_19.0303.C9.o1.gs	Method	GENSCAN
Start	1320	End	1835
GI	none	Score	.61
Exons	1320..1610, 1803..1835		

Seq. No.	41210	Seq. ID	OJ991217_19.0303.C9
Gene No.	85407	Strand	-
Start	453	End	589
Name	OJ991217_19.0303.C9.o1.np	Method	AAT/NAP
Start	453	End	589
GI	6983859	Score	115
Exons	453..589		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	41211	Seq. ID	OJ991217_19.0303.C10
Gene No.	85408	Strand	+
Start	1	End	334
Name	OJ991217_19.0303.C10.o1.gp	Method	AAT/GAP
Start	1	End	334
GI	2428230	Score	492
Exons	1..105, 135..334		

Seq. No.	41211	Seq. ID	OJ991217_19.0303.C10
Gene No.	85409	Strand	+
Start	1452	End	2575
Name	OJ991217_19.0303.C10.o2.gs	Method	GENSCAN
Start	1452	End	2575
GI	none	Score	.89
Exons	1452..1483, 1913..2018, 2570..2575		

Seq. No.	41211	Seq. ID	OJ991217_19.0303.C10
Gene No.	85410	Strand	+
Start	3803	End	6238
Name	OJ991217_19.0303.C10.o3.gs	Method	GENSCAN
Start	3803	End	6238
GI	none	Score	.73
Exons	3803..3868, 5497..5564, 6178..6238		

Seq. No.	41211	Seq. ID	OJ991217_19.0303.C10
Gene No.	85411	Strand	-
Start	16	End	902
Name	OJ991217_19.0303.C10.o1.gs	Method	GENSCAN
Start	16	End	902
GI	none	Score	.52
Exons	16..181, 362..420, 480..721, 815..902		

Seq. No.	41211	Seq. ID	OJ991217_19.0303.C10
Gene No.	85412	Strand	-
Start	4524	End	7093
Name	OJ991217_19.0303.C10.o1.np	Method	AAT/NAP
Start	4524	End	7093
GI	7523399	Score	127
Exons	4524..4663, 5174..5295, 6973..7093		
GI Descrip.	(AL138648) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85413	Strand	+
Start	123	End	299
Name	OJ991217_19.0303.C11.o2.gp	Method	AAT/GAP
Start	123	End	299
GI	none	Score	303
Exons	123..299		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85414	Strand	+
Start	690	End	1468
Name	OJ991217_19.0303.C11.o3.gp	Method	AAT/GAP
Start	690	End	1239
GI	none	Score	460
Exons	690..807, 1089..1239		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85414	Strand	+
Start	690	End	1468
Name	OJ991217_19.0303.C11.o4.gp	Method	AAT/GAP
Start	1089	End	1468
GI	none	Score	650
Exons	1089..1468		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85415	Strand	+
Start	9714	End	16932
Name	OJ991217_19.0303.C11.o3.gs	Method	GENSCAN
Start	9714	End	16932
GI	none	Score	.64
Exons	9714..9748, 9921..10018, 10238..10343, 10441..10486, 10786..10875, 11734..11960, 12061..12183, 12330..12453,		

12495..12654, 13294..13353, 13866..13940, 15277..15379,
15545..15708, 16394..16932

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85415	Strand	+
Start	9714	End	16932
Name	OJ991217_19.0303.C11.o5.gp	Method	AAT/GAP
Start	14765	End	15075
GI	61605_3.R1084	Score	430
Exons	14765..15075		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85416	Strand	+
Start	17836	End	19694
Name	OJ991217_19.0303.C11.o4.gs	Method	GENSCAN
Start	17836	End	19694
GI	none	Score	.67
Exons	17836..18218, 18663..18778, 19519..19694		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85417	Strand	-
Start	2058	End	9559
Name	OJ991217_19.0303.C11.o1.gs	Method	GENSCAN
Start	2058	End	8779
GI	none	Score	.53
Exons	2058..2283, 2348..2542, 4359..4562, 5655..6171, 6625..7317, 7435..7664, 8709..8779		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85417	Strand	-
Start	2058	End	9559
Name	OJ991217_19.0303.C11.o1.np	Method	AAT/NAP
Start	5654	End	9559
GI	6539553	Score	6421
Exons	5654..9559		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85417	Strand	-
Start	2058	End	9559
Name	OJ991217_19.0303.C11.o2.gs	Method	GENSCAN
Start	8897	End	9466
GI	none	Score	.49
Exons	8897..9466		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o6.tw	Method	TBLASTX:Wheat
Start	5136	End	20528
GI	none	Score	38
Exons	5136..5195, 5141..5194, 5220..5291, 5230..5289, 5292..5348,		

5318..5347, 5384..5467, 5390..5440, 20192..20269, 20193..20264, 20203..20265, 20306..20380, 20307..20384, 20311..20385, 20314..20382, 20373..20453, 20384..20455, 20385..20447, 20456..20527, 20457..20528

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o6.tm	Method	TBLASTX:Maize
Start	5589	End	20793
GI	none	Score	74
Exons	5589..5669, 5596..5664, 5597..5668, 5690..5770, 5691..5783, 20474..20512, 20485..20514, 20537..20650, 20538..20654, 20569..20664, 20572..20658, 20702..20791, 20703..20792, 20703..20792, 20704..20793		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o2.tw	Method	TBLASTX:Wheat
Start	5790	End	21291
GI	none	Score	132
Exons	5790..5918, 5828..6184, 5867..6175, 5991..6176, 6073..6177, 6177..6260, 6191..6265, 6213..6266, 20803..21189, 20805..21197, 21190..21273, 21198..21278, 21204..21278, 21205..21291		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o4.ts	Method	TBLASTX:Soybean
Start	5918	End	21272
GI	none	Score	89
Exons	5918..6127, 5939..6127, 6153..6233, 20931..21140, 20992..21108, 21159..21272, 21166..21237		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o5.tm	Method	TBLASTX:Maize
Start	6122	End	21481
GI	none	Score	180
Exons	6122..6436, 6123..6434, 6137..6460, 21135..21278, 21136..21279, 21279..21467, 21281..21481, 21284..21475		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o2.ts	Method	TBLASTX:Soybean
Start	6272	End	21632
GI	none	Score	109
Exons	6272..6616, 6417..6617, 21284..21472, 21285..21470, 21473..21631, 21504..21632		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o3.tw	Method	TBLASTX:Wheat

Start	6470	End	21982
GI	none	Score	72
Exons	6470..6676, 6671..7015, 6695..6868, 21485..21697, 21686..21982		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o3.tm	Method	TBLASTX:Maize
Start	6551	End	21990
GI	none	Score	87
Exons	6551..7015, 6698..6880, 21566..21982, 21669..21779, 21815..21877, 21952..21990		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	6686	End	21982
GI	5509260	Score	248
Exons	6686..7150, 21701..21982		
GI Descrip.	-		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o1.tc	Method	TBLASTX:Cress
Start	6797	End	21985
GI	none	Score	164
Exons	6797..7057, 21812..21985		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	7070	End	7825
GI	none	Score	490
Exons	7070..7798, 7070..7303, 7087..7317, 7338..7817, 7369..7818, 7375..7797, 7376..7825		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o2.tc	Method	TBLASTX:Cress
Start	7451	End	7858
GI	none	Score	119
Exons	7451..7645, 7658..7858		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o3.ts	Method	TBLASTX:Soybean
Start	7475	End	7873
GI	none	Score	38
Exons	7475..7648, 7602..7640, 7649..7873, 7695..7871		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-

Start	21263	End	22176
Name	OJ991217_19.0303.C11.o4.tm	Method	TBLASTX:Maize
Start	7661	End	8095
GI	none	Score	72
Exons	7661..8095, 7686..7841		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o5.tw	Method	TBLASTX:Wheat
Start	7826	End	8164
GI	none	Score	68
Exons	7826..8164, 7847..8032		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o5.ts	Method	TBLASTX:Soybean
Start	7883	End	8269
GI	none	Score	84
Exons	7883..8131, 8114..8269		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	8296	End	8618
GI	none	Score	370
Exons	8296..8580, 8297..8611, 8298..8591, 8364..8618		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	9119	End	9430
GI	none	Score	286
Exons	9119..9430, 9120..9422, 9122..9424		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o4.tw	Method	TBLASTX:Wheat
Start	9178	End	9565
GI	none	Score	263
Exons	9178..9441, 9179..9565, 9180..9554		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o2.np	Method	AAT/NAP
Start	20667	End	22176
GI	6630696	Score	2058
Exons	20667..21996, 22126..22176		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	41212	Seq. ID	OJ991217_19.0303.C11
Gene No.	85418	Strand	-
Start	21263	End	22176
Name	OJ991217_19.0303.C11.o5.gs	Method	GENSCAN
Start	21263	End	21989
GI	none	Score	.71
Exons	21263..21989		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.gp	Method	AAT/GAP
Start	1	End	2533
GI	342_1.R1084	Score	4359
Exons	1..2533		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.np	Method	AAT/NAP
Start	1	End	1724
GI	6742729	Score	2794
Exons	1..1724		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	3	End	597
GI	none	Score	550
Exons	3..596, 4..597		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o2.tc	Method	TBLASTX:Cress
Start	3	End	313
GI	none	Score	280
Exons	3..305, 4..309, 7..309, 131..313		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.gs	Method	GENSCAN
Start	117	End	2537
GI	none	Score	.48
Exons	117..2537		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	240	End	554
GI	none	Score	71

Exons	240..470, 240..554, 268..543		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o3.tw	Method	TBLASTX:Wheat
Start	598	End	1008
GI	none	Score	81
Exons	598..684, 600..689, 600..683, 716..928, 717..935, 757..939, 945..1007, 958..1008		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o2.ts	Method	TBLASTX:Soybean
Start	1041	End	1283
GI	none	Score	216
Exons	1041..1283		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	1113	End	1571
GI	none	Score	103
Exons	1113..1307, 1317..1571, 1317..1559		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	1147	End	1616
GI	none	Score	172
Exons	1147..1353, 1147..1356, 1152..1376, 1356..1454, 1357..1449, 1458..1562, 1462..1551, 1563..1616, 1564..1608		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.tc	Method	TBLASTX:Cress
Start	1404	End	1752
GI	none	Score	88
Exons	1404..1745, 1423..1560, 1600..1752		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o1.ts	Method	TBLASTX:Soybean
Start	1485	End	1914
GI	none	Score	121
Exons	1485..1781, 1503..1727, 1776..1838, 1831..1914, 1839..1913		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o4.tw	Method	TBLASTX:Wheat
Start	1830	End	2186

GI	none	Score	139
Exons	1830..2087, 1843..2085, 1845..2096, 1846..2088, 2055..2186		
Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o3.gp	Method	AAT/GAP
Start	2082	End	2585
GI	2310235	Score	241
Exons	2082..2107, 2398..2585		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41213	Seq. ID	OJ991217_19.0303.C12
Gene No.	85419	Strand	-
Start	1	End	3352
Name	OJ991217_19.0303.C12.o2.np	Method	AAT/NAP
Start	2208	End	3352
GI	5852182	Score	427
Exons	2208..2537, 3304..3352		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85420	Strand	+
Start	11703	End	14181
Name	OJ991217_19.0303.C13.o1.np	Method	AAT/NAP
Start	11703	End	14181
GI	6630696	Score	3771
Exons	11703..14181		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85421	Strand	+
Start	18091	End	20774
Name	OJ991217_19.0303.C13.o3.np	Method	AAT/NAP
Start	18091	End	20774
GI	6721517	Score	3755
Exons	18091..18154, 18208..18362, 18442..19194, 19243..20774		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o4.tw	Method	TBLASTX:Wheat
Start	11598	End	11992
GI	none	Score	133
Exons	11598..11732, 11615..11695, 11761..11979, 11771..11992, 11783..11992		

Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o4.tm	Method	TBLASTX:Maize
Start	11752	End	12054
GI	none	Score	281

Exons	11752..12054, 11753..12052		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	12538	End	12942
GI	none	Score	394
Exons	12538..12882, 12561..12845, 12562..12861, 12880..12942		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o5.tm	Method	TBLASTX:Maize
Start	13113	End	13493
GI	none	Score	268
Exons	13113..13493, 13313..13486		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o7.tw	Method	TBLASTX:Wheat
Start	13136	End	13328
GI	none	Score	254
Exons	13136..13327, 13137..13328		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o2.ts	Method	TBLASTX:Soybean
Start	13281	End	13679
GI	none	Score	190
Exons	13281..13499, 13283..13501, 13506..13679		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	13296	End	13772
GI	none	Score	128
Exons	13296..13499, 13515..13703, 13707..13772		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	13329	End	14084
GI	none	Score	892
Exons	13329..14084, 13337..13834, 13551..14075, 13570..14079		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85422	Strand	-
Start	14444	End	18437
Name	OJ991217_19.0303.C13.o2.np	Method	AAT/NAP
Start	14444	End	18437
GI	5295955	Score	787
Exons	14444..15023, 15063..15138, 15218..15514, 15558..15684,		

	16365..16479, 17022..17138, 18286..18437		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85423	Strand	
Start	18360	End	18900
Name	OJ991217_19.0303.C13.o5.tw	Method	TBLASTX:Wheat
Start	18360	End	18723
GI	none	Score	293
Exons	18360..18464, 18364..18723, 18489..18722		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85423	Strand	
Start	18360	End	18900
Name	OJ991217_19.0303.C13.o7.tm	Method	TBLASTX:Maize
Start	18604	End	18900
GI	none	Score	205
Exons	18604..18900, 18621..18791		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85424	Strand	
Start	19246	End	19653
Name	OJ991217_19.0303.C13.o6.tm	Method	TBLASTX:Maize
Start	19246	End	19566
GI	none	Score	209
Exons	19246..19566		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85424	Strand	
Start	19246	End	19653
Name	OJ991217_19.0303.C13.o6.tw	Method	TBLASTX:Wheat
Start	19299	End	19653
GI	none	Score	268
Exons	19299..19394, 19300..19653, 19483..19617		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85425	Strand	
Start	19824	End	20760
Name	OJ991217_19.0303.C13.o2.tw	Method	TBLASTX:Wheat
Start	19824	End	20310
GI	none	Score	539
Exons	19824..20267, 19828..20310, 19828..20268		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85425	Strand	
Start	19824	End	20760
Name	OJ991217_19.0303.C13.o3.tm	Method	TBLASTX:Maize
Start	19837	End	20129
GI	none	Score	320
Exons	19837..20127, 19839..19910, 19938..20129		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85425	Strand	
Start	19824	End	20760
Name	OJ991217_19.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	20197	End	20697

GI	none	Score	157
Exons	20197..20376, 20362..20697		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85425	Strand	
Start	19824	End	20760
Name	OJ991217_19.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	20251	End	20646
GI	none	Score	57
Exons	20251..20283, 20251..20283, 20287..20646, 20290..20364, 20294..20428, 20403..20645		
Seq. No.	41214	Seq. ID	OJ991217_19.0303.C13
Gene No.	85425	Strand	
Start	19824	End	20760
Name	OJ991217_19.0303.C13.o3.tw	Method	TBLASTX:Wheat
Start	20359	End	20760
GI	none	Score	536
Exons	20359..20760, 20359..20757, 20397..20759		
Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o1.np	Method	AAT/NAP
Start	1	End	1786
GI	4680179	Score	2874
Exons	1..1786		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o4.tw	Method	TBLASTX:Wheat
Start	1	End	224
GI	none	Score	335
Exons	1..201, 2..208, 2..202, 9..224		
Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o3.tm	Method	TBLASTX:Maize
Start	2	End	208
GI	none	Score	280
Exons	2..208, 7..123, 14..193		
Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o2.tw	Method	TBLASTX:Wheat
Start	248	End	775
GI	none	Score	601
Exons	248..775, 314..769, 391..774		
Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o1.tc	Method	TBLASTX:Cress

Start	473	End	799
GI	none	Score	90
Exons	473..655, 656..799, 658..798		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	563	End	823
GI	none	Score	299
Exons	563..823, 568..822		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o1.gs	Method	GENSCAN
Start	587	End	1777
GI	none	Score	.58
Exons	587..1777		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o2.tm	Method	TBLASTX:Maize
Start	622	End	913
GI	none	Score	392
Exons	622..909, 623..913		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o1.tw	Method	TBLASTX:Wheat
Start	782	End	1408
GI	none	Score	665
Exons	782..1408, 838..1407		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	962	End	1549
GI	none	Score	226
Exons	962..1123, 968..1114, 970..1116, 1121..1219, 1121..1189, 1123..1218, 1280..1549, 1288..1548		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o3.tw	Method	TBLASTX:Wheat
Start	1408	End	1741
GI	none	Score	367
Exons	1408..1545, 1409..1741		

Seq. No.	41215	Seq. ID	OJ991217_19.0303.C14
Gene No.	85426	Strand	+
Start	1	End	1786
Name	OJ991217_19.0303.C14.o4.tm	Method	TBLASTX:Maize

Start	1550	End	1750
GI	none	Score	191
Exons	1550..1750		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85427	Strand	+
Start	4412	End	14382
Name	OJ991217_15.0303.C1.o1.np	Method	AAT/NAP
Start	4412	End	13101
GI	7485355	Score	2763
Exons	4412..4511, 4904..5059, 5582..5847, 6937..7053, 7221..7340, 7430..7524, 7612..7705, 7926..8057, 8710..8822, 8943..9135, 9470..9681, 10422..10470, 10963..11045, 11206..11322, 11413..11476, 11577..11723, 11854..11895, 11947..12006, 12563..12646, 12727..12921, 13027..13101		
GI Descrip.	hypothetical protein F10M6.180 - Arabidopsis thaliana gi|2864625|emb|CAA16972.1| (AL021811) putative protein [Arabidopsis thaliana] gi|7270122|emb|CAB79936.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85427	Strand	+
Start	4412	End	14382
Name	OJ991217_15.0303.C1.o2.gs	Method	GENSCAN
Start	4786	End	13130
GI	none	Score	.76
Exons	4786..5059, 5582..5794, 6292..6347, 7221..7340, 7926..8057, 8710..8822, 8943..9160, 9549..9681, 10422..10470, 10963..11045, 11179..11322, 11413..11476, 11854..12006, 12563..12646, 12727..12921, 13119..13130		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85427	Strand	+
Start	4412	End	14382
Name	OJ991217_15.0303.C1.o1.gp	Method	AAT/GAP
Start	8689	End	9084
GI	3107365	Score	481
Exons	8689..8822, 8943..9084		
GI Descrip.	2864625/emb|CAA16972| 2.0e-36 (AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85427	Strand	+
Start	4412	End	14382
Name	OJ991217_15.0303.C1.o2.gp	Method	AAT/GAP
Start	11425	End	11940
GI	uC-osflm202108h09b1	Score	477
Exons	11425..11476, 11577..11723, 11854..11940		
GI Descrip.	'2827619/emb|CAA16571.1| 8.0e-43 (AL021636) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85427	Strand	+
Start	4412	End	14382
Name	OJ991217_15.0303.C1.o3.gp	Method	AAT/GAP
Start	11555	End	12019
GI	uC-osflm202108h09b1	Score	531

Exons	11555..11723, 11854..12019		
GI Descrip.	'2827619/emb|CAA16571.1| 8.0e-43 (AL021636) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85427	Strand	+
Start	4412	End	14382
Name	OJ991217_15.0303.C1.o4.gp	Method	AAT/GAP
Start	12814	End	14382
GI	LIB3432-021-P1-K1-A4	Score	768
Exons	12814..12921, 13027..13098, 13982..14132, 14269..14382		
GI Descrip.	'1076625/pir||S46495 4.0e-11 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) precursor - common tobacco >gi_473102_emb_CAA82271_ (Z28697) beta-1,3-glucanase [Nicotiana tabacum]'		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85428	Strand	+
Start	18265	End	20970
Name	OJ991217_15.0303.C1.o3.np	Method	AAT/NAP
Start	18265	End	20970
GI	7208777	Score	702
Exons	18265..18424, 18810..18979, 20419..20810, 20899..20970		
GI Descrip.	(AJ276267) putative PTS protein [Cicer arietinum]		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85428	Strand	+
Start	18265	End	20970
Name	OJ991217_15.0303.C1.o5.gs	Method	GENSCAN
Start	20493	End	20810
GI	none	Score	.73
Exons	20493..20810		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85428	Strand	+
Start	18265	End	20970
Name	OJ991217_15.0303.C1.o7.gp	Method	AAT/GAP
Start	20656	End	20970
GI	LIB3434-037-P1-K1-G1	Score	398
Exons	20656..20810, 20899..20970		
GI Descrip.	'3522950/gb|AAC34232.1| 2.0e-30 (AC004411) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85429	Strand	-
Start	1246	End	2014
Name	OJ991217_15.0303.C1.o1.gs	Method	GENSCAN
Start	1246	End	2014
GI	none	Score	.91
Exons	1246..1301, 1342..1451, 1638..1705, 1781..2014		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85430	Strand	-
Start	14730	End	15782
Name	OJ991217_15.0303.C1.o5.gp	Method	AAT/GAP
Start	14683	End	15021
GI	5667361	Score	641

Exons	14683..15021		
GI Descrip.	1076625/pir||S46495 4.0e-11 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) precursor - common tobacco >gi_473102_emb_CAA82271_ (Z28697) beta-1,3-glucanase [Nicotiana tabacum]		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85430	Strand	-
Start	14730	End	15782
Name	OJ991217_15.0303.C1.o3.gs	Method	GENSCAN
Start	14730	End	15782
GI	none	Score	1
Exons	14730..15782		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85430	Strand	-
Start	14730	End	15782
Name	OJ991217_15.0303.C1.o2.np	Method	AAT/NAP
Start	14733	End	15770
GI	1076625	Score	826
Exons	14733..15770		
GI Descrip.	glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) precursor - common tobacco gi|473102|emb|CAA82271| (Z28697) beta-1,3-glucanase [Nicotiana tabacum]		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o7.ts	Method	TBLASTX:Soybean
Start	4987	End	7056
GI	none	Score	68
Exons	4987..5073, 5581..5667, 5689..5805, 6934..7056, 6936..7055		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o7.tm	Method	TBLASTX:Maize
Start	5742	End	7058
GI	none	Score	83
Exons	5742..5792, 5742..5798, 5743..5799, 5750..5806, 6290..6352, 6291..6353, 6295..6360, 6934..7053, 6936..7058, 6936..7049		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o3.tm	Method	TBLASTX:Maize
Start	7218	End	8048
GI	none	Score	195
Exons	7218..7343, 7218..7340, 7222..7353, 7223..7342, 7424..7528, 7427..7519, 7429..7524, 7610..7708, 7611..7703, 7919..7978, 7925..7966, 7965..8048, 7966..8046		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o4.ts	Method	TBLASTX:Soybean
Start	7252	End	7663

GI	none	Score	112
Exons	7252..7332, 7257..7343, 7258..7344, 7259..7342, 7424..7528, 7427..7495, 7429..7524, 7610..7663		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o2.ts	Method	TBLASTX:Soybean
Start	7974	End	9141
GI	none	Score	115
Exons	7974..8060, 8706..8822, 8707..8829, 8710..8829, 8818..8853, 8924..9136, 8943..9134, 8944..9141, 8956..9135		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o6.tm	Method	TBLASTX:Maize
Start	8760	End	9552
GI	none	Score	100
Exons	8760..8828, 8760..8828, 8943..9134, 8943..9134, 8944..9141, 9461..9550, 9466..9552, 9469..9552		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o4.tm	Method	TBLASTX:Maize
Start	10313	End	14071
GI	none	Score	43
Exons	10313..10351, 10419..10469, 10420..10470, 10421..10474, 10960..11043, 10961..11044, 10961..11044, 10963..11046, 11206..11322, 11208..11348, 11382..11477, 11409..11480, 11411..11512, 11411..11482, 11569..11721, 11574..11723, 11574..11723, 11575..11724, 11847..12014, 11848..12027, 11852..12010, 12560..12637, 12561..12638, 12562..12645, 12563..12646, 12684..12926, 12706..12924, 12970..13116, 13004..13123, 13004..13093, 13026..13130, 13966..14067, 13976..14071, 13979..14068		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o5.ts	Method	TBLASTX:Soybean
Start	11457	End	11985
GI	none	Score	244
Exons	11457..11483, 11574..11723, 11575..11724, 11576..11722, 11876..11908, 11911..11985, 11913..11984		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o3.ts	Method	TBLASTX:Soybean
Start	12724	End	14079
GI	none	Score	260
Exons	12724..12924, 12726..12926, 13027..13116, 13029..13130, 13975..14079, 13976..14077		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1

Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o5.tm	Method	TBLASTX:Maize
Start	14725	End	15092
GI	none	Score	65
Exons	14725..14775, 14727..15092, 14730..14786, 14791..15081		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	14736	End	15686
GI	none	Score	120
Exons	14736..14819, 14808..14876, 14877..15374, 15396..15494, 15495..15686		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	14808	End	15260
GI	none	Score	280
Exons	14808..15260		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o2.tm	Method	TBLASTX:Maize
Start	15324	End	15699
GI	none	Score	425
Exons	15324..15698, 15331..15699		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o4.gs	Method	GENSCAN
Start	16174	End	19826
GI	none	Score	.58
Exons	16174..16323, 16370..16520, 17204..17435, 17681..17857, 18525..19029, 19353..19540, 19790..19826		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o6.gp	Method	AAT/GAP
Start	18732	End	18990
GI	uC-osroM202039c02a1	Score	439
Exons	18732..18990		
GI Descrip.	'3522950/gb|AAC34232.1| 3.0e-09 (AC004411) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	18807	End	20970
GI	none	Score	256

Exons	18807..18986, 18814..18981, 20412..20798, 20416..20811, 20418..20819, 20893..20970, 20895..20969		
Seq. No.	41216	Seq. ID	OJ991217_15.0303.C1
Gene No.	85431	Strand	-
Start	16174	End	20970
Name	OJ991217_15.0303.C1.o6.ts	Method	TBLASTX:Soybean
Start	18810	End	20591
GI	none	Score	198
Exons	18810..18986, 18817..18981, 20411..20590, 20418..20591		
Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85432	Strand	+
Start	17066	End	17444
Name	OJ991217_15.0303.C2.o5.gp	Method	AAT/GAP
Start	17066	End	17444
GI	none	Score	754
Exons	17066..17444		
Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85433	Strand	+
Start	21276	End	24085
Name	OJ991217_15.0303.C2.o3.np	Method	AAT/NAP
Start	21276	End	24085
GI	7340860	Score	108
Exons	21276..21314, 22096..22272, 22536..22658, 24042..24085		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85433	Strand	+
Start	21276	End	24085
Name	OJ991217_15.0303.C2.o4.gs	Method	GENSCAN
Start	21711	End	23351
GI	none	Score	.92
Exons	21711..22403, 22561..22716, 23322..23351		
Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85434	Strand	+
Start	24684	End	25760
Name	OJ991217_15.0303.C2.o5.gs	Method	GENSCAN
Start	24684	End	25760
GI	none	Score	.65
Exons	24684..24726, 25431..25619, 25633..25760		
Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85435	Strand	-
Start	783	End	8063
Name	OJ991217_15.0303.C2.o1.gp	Method	AAT/GAP
Start	398	End	647
GI	13663_1.R1084	Score	453
Exons	398..647		
GI Descrip.	'3522950/gb|AAC34232.1| 6.0e-23 (AC004411) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85435	Strand	-

Start	783	End	8063
Name	OJ991217_15.0303.C2.o2.gp	Method	AAT/GAP
Start	725	End	3170
GI	2592_1.R1084	Score	2723
Exons	725..1280, 1550..1651, 1768..2013, 2227..2421, 2528..2821, 3137..3170		
GI Descrip.	'3914005/sp|P93647|LON1_MAIZE 1.0e-149 MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR >gi_1816586 (U85494) LON1 protease [Zea mays]'		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85435	Strand	-
Start	783	End	8063
Name	OJ991217_15.0303.C2.o1.gs	Method	GENSCAN
Start	783	End	8063
GI	none	Score	.83
Exons	783..924, 978..1128, 1232..1280, 1550..1651, 1768..2013, 2227..2421, 2528..2821, 3137..3350, 3660..3778, 3981..4187, 4271..4466, 4551..4678, 4943..5026, 5139..5318, 5465..5556, 5804..5973, 6410..6521, 6635..6738, 7446..7583, 7708..8063		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85435	Strand	-
Start	783	End	8063
Name	OJ991217_15.0303.C2.o1.np	Method	AAT/NAP
Start	1200	End	7555
GI	3914005	Score	3680
Exons	1200..1280, 1550..1651, 1768..2013, 2227..2421, 2528..2821, 3137..3350, 3648..3778, 3981..4187, 4266..4466, 4551..4678, 4943..5026, 5139..5318, 5465..5556, 5804..5973, 6410..6521, 6635..6738, 7446..7555		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR gi|1816586 (U85494) LON1 protease [Zea mays]		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85435	Strand	-
Start	783	End	8063
Name	OJ991217_15.0303.C2.o3.gp	Method	AAT/GAP
Start	4114	End	5934
GI	43507_1.R1084	Score	1625
Exons	4114..4187, 4266..4466, 4551..4678, 4943..5026, 5139..5318, 5465..5556, 5804..5934		
GI Descrip.	'3914005/sp|P93647|LON1_MAIZE 1.0e-143 MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR >gi_1816586 (U85494) LON1 protease [Zea mays]'		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85435	Strand	-
Start	783	End	8063
Name	OJ991217_15.0303.C2.o4.gp	Method	AAT/GAP
Start	6377	End	7670
GI	24767_1.R1084	Score	836
Exons	6377..6521, 6635..6738, 7446..7670		
GI Descrip.	'3914005/sp|P93647|LON1_MAIZE 7.0e-52 MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR >gi_1816586 (U85494) LON1 protease [Zea mays]'		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85436	Strand	-
Start	9496	End	22337
Name	OJ991217_15.0303.C2.o2.gs	Method	GENSCAN
Start	9496	End	17726
GI	none	Score	.68
Exons	9496..9567, 11270..11386, 11604..11706, 12598..12745, 12751..12879, 14507..14674, 14703..14889, 15842..15984, 15989..16098, 16477..16670, 16708..16750, 17248..17726		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85436	Strand	-
Start	9496	End	22337
Name	OJ991217_15.0303.C2.o2.np	Method	AAT/NAP
Start	15867	End	22211
GI	6681335	Score	821
Exons	15867..15984, 17319..17690, 18886..19008, 19697..19954, 21819..22211		
GI Descrip.	(AC015985) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85436	Strand	-
Start	9496	End	22337
Name	OJ991217_15.0303.C2.o3.gs	Method	GENSCAN
Start	18542	End	20146
GI	none	Score	.86
Exons	18542..18751, 18756..18857, 18886..19008, 19697..19954, 20108..20146		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85436	Strand	-
Start	9496	End	22337
Name	OJ991217_15.0303.C2.o6.gp	Method	AAT/GAP
Start	21873	End	22337
GI	none	Score	902
Exons	21873..22337		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o4.tc	Method	TBLASTX:Cress
Start	1215	End	2004
GI	none	Score	58
Exons	1215..1268, 1541..1624, 1548..1610, 1583..1654, 1614..1649, 1774..2004, 1781..2002		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	1625	End	2379
GI	none	Score	43
Exons	1625..1651, 1626..1652, 1762..2013, 1763..2014, 1770..2018, 1784..2014, 2222..2374, 2222..2371, 2224..2379		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-

Start	26571	End	36948
Name	OJ991217_15.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	1810	End	4476
GI	none	Score	278
Exons	1810..2013, 1811..2014, 1866..2018, 2237..2422, 2243..2431, 2245..2430, 2528..2824, 2528..2824, 2530..2844, 2551..2844, 3137..3349, 3137..3349, 3604..3780, 3644..3793, 3648..3779, 3802..3867, 3970..4188, 3980..4087, 3981..4190, 4262..4468, 4271..4474, 4273..4476		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	2222	End	3350
GI	none	Score	277
Exons	2222..2431, 2222..2428, 2224..2430, 2528..2563, 2528..2602, 2529..2597, 2603..2824, 2606..2824, 2617..2829, 3132..3350, 3137..3349		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o6.tc	Method	TBLASTX:Cress
Start	2344	End	3332
GI	none	Score	95
Exons	2344..2430, 2348..2422, 2528..2575, 2597..2824, 2603..2824, 2721..2828, 3132..3287, 3137..3295, 3137..3289, 3290..3331, 3294..3332		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	3644	End	4457
GI	none	Score	156
Exons	3644..3793, 3648..3779, 3981..4190, 3982..4188, 4262..4456, 4263..4304, 4276..4452, 4277..4453, 4380..4457		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	3981	End	4417
GI	none	Score	255
Exons	3981..4190, 3982..4188, 3983..4189, 4257..4349, 4262..4417, 4271..4414		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o5.tm	Method	TBLASTX:Maize
Start	4566	End	5898
GI	none	Score	94
Exons	4566..4628, 4568..4681, 4568..4681, 4940..5029, 4944..5030, 5139..5306, 5139..5321, 5140..5325, 5141..5383, 5456..5545, 5458..5556, 5459..5554, 5805..5891, 5806..5898, 5807..5896		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o7.ts	Method	TBLASTX:Soybean
Start	4958	End	7647
GI	none	Score	69
Exons	4958..5029, 4962..5030, 4986..5030, 5125..5319, 5139..5192, 5193..5318, 5447..5554, 5456..5542, 5473..5556, 5805..5975, 5806..5976, 6403..6477, 6472..6525, 6666..6740, 7446..7562, 7448..7543, 7558..7647		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	13574	End	32441
GI	none	Score	59
Exons	13574..13729, 31769..31888, 31913..32017, 31914..32015, 32295..32441		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o2.tc	Method	TBLASTX:Cress
Start	17340	End	19771
GI	none	Score	168
Exons	17340..17690, 17365..17685, 18883..19008, 18884..19000, 19709..19771		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o3.ts	Method	TBLASTX:Soybean
Start	17343	End	18999
GI	none	Score	222
Exons	17343..17690, 17359..17685, 18883..18999, 18884..18997		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o4.tm	Method	TBLASTX:Maize
Start	17355	End	19957
GI	none	Score	183
Exons	17355..17693, 17362..17685, 18883..19008, 18884..19009, 19709..19777, 19778..19849, 19839..19955, 19856..19957		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	17358	End	17690
GI	none	Score	61
Exons	17358..17690, 17359..17487, 17539..17685		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-

Start	26571	End	36948
Name	OJ991217_15.0303.C2.o4.tw	Method	TBLASTX:Wheat
Start	19685	End	21938
GI	none	Score	52
Exons	19685..19846, 19710..19769, 19751..19840, 19856..19912, 19913..19957, 19917..19958, 21852..21938		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o6.ts	Method	TBLASTX:Soybean
Start	19706	End	21998
GI	none	Score	213
Exons	19706..19957, 19707..19961, 19708..19962, 19793..19963, 21876..21998		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o8.tc	Method	TBLASTX:Cress
Start	19794	End	22019
GI	none	Score	125
Exons	19794..19955, 19796..19957, 21864..22019		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o7.tm	Method	TBLASTX:Maize
Start	21825	End	22140
GI	none	Score	96
Exons	21825..21866, 21876..22088, 22057..22140		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o4.np	Method	AAT/NAP
Start	26471	End	29919
GI	7291504	Score	105
Exons	26471..26495, 28720..28829, 29572..29692, 29788..29919		
GI Descrip.	(AE003459) CG9848 gene product [Drosophila melanogaster]		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o6.gs	Method	GENSCAN
Start	26571	End	36948
GI	none	Score	.73
Exons	26571..26657, 28602..28829, 29572..29692, 29788..29886, 30294..30336, 30648..30791, 31726..32014, 32304..32470, 32656..32803, 32952..33389, 34184..34467, 34872..34921, 35124..35355, 35367..35700, 35799..35885, 36832..36871, 36920..36948		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o6.tm	Method	TBLASTX:Maize

Start	28668	End	29892
GI	none	Score	60
Exons	28668..28832, 29557..29673, 29564..29692, 29575..29694, 29784..29885, 29787..29885, 29788..29892		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o7.tc	Method	TBLASTX:Cress
Start	29548	End	29921
GI	none	Score	69
Exons	29548..29673, 29564..29692, 29787..29921, 29788..29883		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o7.gp	Method	AAT/GAP
Start	31250	End	32471
GI	23188_1.R1084	Score	1802
Exons	31250..32014, 32304..32471		
GI Descrip.	'3170525/gb|AAC78298.1| 4.0e-34 (AF054615) cellulase [Fragaria x ananassa]'		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	31678	End	33162
GI	none	Score	121
Exons	31678..31824, 31685..32023, 31767..32015, 32250..32468, 32293..32472, 32295..32471, 32648..32806, 32655..32807, 32949..33161, 32949..33161, 32950..33162		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o4.ts	Method	TBLASTX:Soybean
Start	31682	End	33300
GI	none	Score	95
Exons	31682..31888, 31770..31889, 31889..32017, 31890..32018, 32293..32406, 32295..32468, 32308..32469, 32660..32806, 32661..32804, 32939..33202, 32947..33300, 32949..33299		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o5.tc	Method	TBLASTX:Cress
Start	31691	End	33027
GI	none	Score	61
Exons	31691..31888, 31702..31821, 31797..31889, 31889..32017, 31890..32090, 32125..32175, 32295..32462, 32295..32471, 32308..32475, 32648..32743, 32655..32747, 32914..33027, 32949..33026		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948

Name	OJ991217_15.0303.C2.o5.np	Method	AAT/NAP
Start	31706	End	35229
GI	7484855	Score	821
Exons	31706..32014, 32304..32470, 32656..32753, 32926..33389, 34184..34467, 35124..35229		
GI Descrip.	cellulase (EC 3.2.1.4) F9D16.30 - Arabidopsis thaliana gi|4454025|emb|CAA23022.1| (AL035394) putative cellulase [Arabidopsis thaliana] gi|7269204|emb|CAB79311.1| (AL161559) putative cellulase [Arabidopsis thaliana]		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o8.gp	Method	AAT/GAP
Start	32947	End	35393
GI	6523_1.R1084	Score	1873
Exons	32947..33389, 34184..34467, 35124..35393		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o3.tc	Method	TBLASTX:Cress
Start	33216	End	34447
GI	none	Score	206
Exons	33216..33389, 34174..34386, 34181..34390, 34182..34391, 34388..34447		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	33290	End	35373
GI	none	Score	94
Exons	33290..33391, 33291..33389, 33292..33393, 34181..34468, 34183..34392, 34194..34469, 35123..35179, 35125..35214, 35125..35187, 35163..35204, 35236..35373, 35306..35368		

Seq. No.	41217	Seq. ID	OJ991217_15.0303.C2
Gene No.	85437	Strand	-
Start	26571	End	36948
Name	OJ991217_15.0303.C2.o5.ts	Method	TBLASTX:Soybean
Start	33306	End	35325
GI	none	Score	72
Exons	33306..33392, 33309..33389, 33314..33391, 34122..34466, 34178..34468, 34181..34468, 35125..35187, 35248..35325		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85438	Strand	+
Start	4781	End	7008
Name	OJ991217_15.0303.C3.o2.np	Method	AAT/NAP
Start	4778	End	7008
GI	7487841	Score	531
Exons	4778..5003, 6761..7008		
GI Descrip.	hypothetical protein T9A14.70 - Arabidopsis thaliana gi|4490331|emb|CAB38613.1| (AL035656) hypothetical protein		

[Arabidopsis thaliana] gi|7270862|emb|CAB80542.1| (AL161594) hypothetical protein [Arabidopsis thaliana]

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85438	Strand	+
Start	4781	End	7008
Name	OJ991217_15.0303.C3.o2.gs	Method	GENSCAN
Start	4781	End	6960
GI	none	Score	.54
Exons	4781..5003, 6145..6261, 6803..6960		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85438	Strand	+
Start	4781	End	7008
Name	OJ991217_15.0303.C3.o1.gp	Method	AAT/GAP
Start	6837	End	6969
GI	LIB3434-017-P1-K1-H12	Score	208
Exons	6837..6969		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-42 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85439	Strand	-
Start	130	End	2726
Name	OJ991217_15.0303.C3.o1.np	Method	AAT/NAP
Start	130	End	2726
GI	7452427	Score	541
Exons	130..627, 1685..2182, 2396..2726		
GI Descrip.	hypothetical protein F13P17.22 - Arabidopsis thaliana gi|3128223|gb|AAC26703.1| (AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85439	Strand	-
Start	130	End	2726
Name	OJ991217_15.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	184	End	499
GI	none	Score	64
Exons	184..480, 226..309, 374..499		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85439	Strand	-
Start	130	End	2726
Name	OJ991217_15.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	454	End	642
GI	none	Score	212
Exons	454..627, 455..628, 475..642, 477..629		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85439	Strand	-
Start	130	End	2726
Name	OJ991217_15.0303.C3.o3.tc	Method	TBLASTX:Cress
Start	550	End	1966
GI	none	Score	50
Exons	550..627, 1682..1753, 1778..1966, 1782..1835, 1887..1958		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3

Gene No.	85439	Strand	-
Start	130	End	2726
Name	OJ991217_15.0303.C3.o1.gs	Method	GENSCAN
Start	1604	End	2611
GI	none	Score	.9
Exons	1604..2611		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85440	Strand	
Start	4792	End	6965
Name	OJ991217_15.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	4792	End	6951
GI	none	Score	300
Exons	4792..5004, 4799..5005, 6753..6944, 6756..6941, 6757..6951		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85440	Strand	
Start	4792	End	6965
Name	OJ991217_15.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	4798	End	6800
GI	none	Score	332
Exons	4798..5004, 4799..5005, 6753..6800, 6757..6798		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85440	Strand	
Start	4792	End	6965
Name	OJ991217_15.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	4807	End	6804
GI	none	Score	295
Exons	4807..5004, 4808..5005, 6757..6804		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85440	Strand	
Start	4792	End	6965
Name	OJ991217_15.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	4816	End	6942
GI	none	Score	308
Exons	4816..5004, 4817..5005, 6753..6941, 6757..6942		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85440	Strand	
Start	4792	End	6965
Name	OJ991217_15.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	6800	End	6963
GI	none	Score	198
Exons	6800..6844, 6801..6962, 6801..6962, 6802..6963		

Seq. No.	41218	Seq. ID	OJ991217_15.0303.C3
Gene No.	85440	Strand	
Start	4792	End	6965
Name	OJ991217_15.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	6804	End	6965
GI	none	Score	186
Exons	6804..6965, 6805..6963		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85441	Strand	+

Start	1	End	3574
Name	OJ991217_15.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	1299
GI	4803924	Score	424
Exons	1..96, 325..486, 555..639, 1155..1299		
GI Descrip.	(AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85441	Strand	+
Start	1	End	3574
Name	OJ991217_15.0303.C4.o2.gp	Method	AAT/GAP
Start	1144	End	1565
GI	3762139	Score	630
Exons	1144..1248, 1323..1565		
GI Descrip.	4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85441	Strand	+
Start	1	End	3574
Name	OJ991217_15.0303.C4.o2.np	Method	AAT/NAP
Start	1278	End	3574
GI	7430721	Score	343
Exons	1278..1299, 2803..3574		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi|4204095|gb|AAD10204.1| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85442	Strand	+
Start	9626	End	13020
Name	OJ991217_15.0303.C4.o5.gs	Method	GENSCAN
Start	9626	End	13020
GI	none	Score	.48
Exons	9626..9637, 9800..9936, 10073..10142, 10183..10406, 10412..10594, 10643..10740, 11363..11530, 12153..12322, 12405..12573, 12611..13020		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85443	Strand	+
Start	13409	End	19066
Name	OJ991217_15.0303.C4.o6.gs	Method	GENSCAN
Start	13409	End	19066
GI	none	Score	.44
Exons	13409..13492, 13507..13962, 14486..14612, 15106..15717, 15874..16178, 16251..16601, 16735..16851, 17044..17194, 17293..17527, 17963..18105, 18253..19066		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85443	Strand	+
Start	13409	End	19066
Name	OJ991217_15.0303.C4.o3.np	Method	AAT/NAP
Start	17424	End	18968
GI	7484649	Score	632
Exons	17424..18968		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi|2462134|emb|CAA73798.1| (Y13368) reverse transcriptase [Beta		

vulgaris]

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85444	Strand	-
Start	4400	End	6008
Name	OJ991217_15.0303.C4.o2.gs	Method	GENSCAN
Start	4400	End	6008
GI	none	Score	.91
Exons	4400..5050, 5176..5363, 5368..5598, 5672..6008		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85445	Strand	-
Start	6811	End	7170
Name	OJ991217_15.0303.C4.o3.gs	Method	GENSCAN
Start	6811	End	7170
GI	none	Score	.7
Exons	6811..7170		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	328	End	1432
GI	none	Score	240
Exons	328..489, 344..478, 345..482, 548..607, 552..638, 552..638, 553..639, 554..640, 1097..1246, 1099..1248, 1112..1246, 1117..1248, 1303..1392, 1320..1376, 1322..1432		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o3.tc	Method	TBLASTX:Cress
Start	328	End	483
GI	none	Score	208
Exons	328..483, 345..482		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	345	End	1371
GI	none	Score	209
Exons	345..482, 346..489, 537..635, 552..638, 554..637, 1099..1248, 1112..1261, 1116..1259, 1303..1371, 1320..1367		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	597	End	1388
GI	none	Score	76
Exons	597..638, 1112..1246, 1117..1248, 1303..1371, 1320..1388		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o2.ts	Method	TBLASTX:Soybean

Start	2854	End	3560
GI	none	Score	51
Exons	2854..2910, 2941..3120, 3183..3275, 3184..3333, 3352..3423, 3364..3432, 3452..3526, 3528..3560		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o4.tm	Method	TBLASTX:Maize
Start	3106	End	3531
GI	none	Score	48
Exons	3106..3171, 3184..3324, 3192..3275, 3366..3431, 3367..3432, 3445..3531, 3446..3526		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o2.tc	Method	TBLASTX:Cress
Start	3142	End	3572
GI	none	Score	39
Exons	3142..3210, 3186..3266, 3187..3336, 3351..3428, 3352..3429, 3422..3526, 3525..3572		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o2.tw	Method	TBLASTX:Wheat
Start	3183	End	3551
GI	none	Score	113
Exons	3183..3266, 3184..3336, 3352..3429, 3352..3432, 3448..3501, 3449..3526, 3489..3551, 3525..3551		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85446	Strand	-
Start	8636	End	8966
Name	OJ991217_15.0303.C4.o4.gs	Method	GENSCAN
Start	8636	End	8966
GI	none	Score	.6
Exons	8636..8669, 8833..8966		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85447	Strand	
Start	17895	End	18329
Name	OJ991217_15.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	17895	End	18329
GI	none	Score	274
Exons	17895..18329, 17939..18172		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85448	Strand	
Start	18405	End	19127
Name	OJ991217_15.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	18405	End	18740
GI	none	Score	100
Exons	18405..18545, 18534..18740		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4

Gene No.	85448	Strand	
Start	18405	End	19127
Name	OJ991217_15.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	18495	End	18911
GI	none	Score	389
Exons	18495..18911, 18506..18910		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85448	Strand	
Start	18405	End	19127
Name	OJ991217_15.0303.C4.o3.tw	Method	TBLASTX:Wheat
Start	18767	End	19043
GI	none	Score	179
Exons	18767..18994, 18768..19043		

Seq. No.	41219	Seq. ID	OJ991217_15.0303.C4
Gene No.	85448	Strand	
Start	18405	End	19127
Name	OJ991217_15.0303.C4.o5.tm	Method	TBLASTX:Maize
Start	18912	End	19127
GI	none	Score	201
Exons	18912..19127		

Seq. No.	41220	Seq. ID	OJ991217_15.0303.C6
Gene No.	85449	Strand	-
Start	1	End	898
Name	OJ991217_15.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	898
GI	6069646	Score	411
Exons	1..898		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41220	Seq. ID	OJ991217_15.0303.C6
Gene No.	85449	Strand	-
Start	1	End	898
Name	OJ991217_15.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	12	End	488
GI	none	Score	73
Exons	12..140, 180..488, 298..381		

Seq. No.	41220	Seq. ID	OJ991217_15.0303.C6
Gene No.	85449	Strand	-
Start	1	End	898
Name	OJ991217_15.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	333	End	713
GI	none	Score	89
Exons	333..494, 576..713		

Seq. No.	41221	Seq. ID	OJ991217_15.0303.C7
Gene No.	85450	Strand	-
Start	955	End	1709
Name	OJ991217_15.0303.C7.o2.gs	Method	GENSCAN
Start	955	End	1709

GI	none	Score	.76
Exons	955..966, 1485..1709		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85451	Strand	+
Start	7	End	420
Name	OJ991217_15.0303.C8.o1.gs	Method	GENSCAN
Start	7	End	420
GI	none	Score	.94
Exons	7..420		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85452	Strand	+
Start	8509	End	8759
Name	OJ991217_15.0303.C8.o1.gp	Method	AAT/GAP
Start	8509	End	8759
GI	3762139	Score	368
Exons	8509..8759		
GI Descrip.	4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o1.np	Method	AAT/NAP
Start	492	End	5580
GI	7340881	Score	568
Exons	492..512, 3052..3081, 3187..3320, 4740..4984, 5040..5144, 5224..5346, 5494..5580		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o2.gs	Method	GENSCAN
Start	1316	End	13282
GI	none	Score	.74
Exons	1316..1423, 3187..3328, 4390..4462, 4884..4995, 5040..5143, 5224..5425, 7507..7639, 7814..8216, 9153..9256, 9589..9629, 9758..9879, 9967..10421, 10524..10879, 11003..11404, 11763..11888, 11960..12028, 12100..12290, 12386..12455, 12554..12679, 12989..13282		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o4.np	Method	AAT/NAP
Start	8767	End	11412
GI	417154	Score	1429
Exons	8767..8808, 10094..11150, 11283..11412		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282

Name	OJ991217_15.0303.C8.o3.np	Method	AAT/NAP
Start	9088	End	9840
GI	6729524	Score	143
Exons	9088..9256, 9395..9516, 9745..9840		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o1.tc	Method	TBLASTX:Cress
Start	10100	End	11407
GI	none	Score	145
Exons	10100..10276, 10100..10276, 10256..10306, 10266..10391, 10283..10387, 10373..10672, 10379..10987, 10383..10988, 10733..10993, 10986..11060, 10988..11062, 11174..11224, 11330..11365, 11363..11407		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	10100	End	11407
GI	none	Score	156
Exons	10100..10276, 10100..10276, 10234..10416, 10256..10306, 10283..10387, 10379..10987, 10380..10595, 10641..10988, 10730..10993, 10986..11060, 10988..11062, 11174..11224, 11330..11365, 11363..11407		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	10100	End	10759
GI	none	Score	136
Exons	10100..10276, 10100..10276, 10234..10425, 10256..10306, 10283..10387, 10373..10672, 10379..10759, 10380..10736, 10730..10759		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	10100	End	11401
GI	none	Score	99
Exons	10100..10243, 10101..10199, 10112..10249, 10256..10306, 10266..10391, 10283..10387, 10379..10516, 10383..10514, 10517..10996, 10521..11000, 11339..11365, 11363..11401		

Seq. No.	41222	Seq. ID	OJ991217_15.0303.C8
Gene No.	85453	Strand	-
Start	492	End	13282
Name	OJ991217_15.0303.C8.o2.tw	Method	TBLASTX:Wheat
Start	10761	End	10987
GI	none	Score	262
Exons	10761..10985, 10763..10987		

Seq. No.	41223	Seq. ID	OJ991217_15.0303.C9

Gene No.	85454	Strand	+
Start	1	End	1232
Name	OJ991217_15.0303.C9.o1.np	Method	AAT/NAP
Start	1	End	1232
GI	7484961	Score	117
Exons	1..150, 999..1083, 1190..1232		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein [Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	41224	Seq. ID	OJ991117_15.0331.C4
Gene No.	85455	Strand	+
Start	1	End	580
Name	OJ991117_15.0331.C4.o1.np	Method	AAT/NAP
Start	1	End	580
GI	4836924	Score	382
Exons	1..580		
GI Descrip.	(AC007153) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41224	Seq. ID	OJ991117_15.0331.C4
Gene No.	85455	Strand	+
Start	1	End	580
Name	OJ991117_15.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	463
GI	none	Score	299
Exons	1..240, 2..235, 134..346, 151..240, 287..463		

Seq. No.	41224	Seq. ID	OJ991117_15.0331.C4
Gene No.	85455	Strand	+
Start	1	End	580
Name	OJ991117_15.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	5	End	508
GI	none	Score	66
Exons	5..163, 140..289, 293..508, 296..502		

Seq. No.	41224	Seq. ID	OJ991117_15.0331.C4
Gene No.	85455	Strand	+
Start	1	End	580
Name	OJ991117_15.0331.C4.o1.gs	Method	GENSCAN
Start	38	End	565
GI	none	Score	.55
Exons	38..565		

Seq. No.	41225	Seq. ID	OJ991117_15.0331.C5
Gene No.	85456	Strand	-
Start	1	End	1363
Name	OJ991117_15.0331.C5.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	7485403	Score	97
Exons	1..26, 1078..1288		
GI Descrip.	hypothetical protein F12C20.8 - Arabidopsis thaliana gi|3426047|gb|AAC32246.1| (AC005168) putative MADS-box protein [Arabidopsis thaliana]		

Seq. No.	41225	Seq. ID	OJ991117_15.0331.C5
Gene No.	85456	Strand	-

Start	1	End	1363
Name	OJ991117_15.0331.C5.o1.gs	Method	GENSCAN
Start	14	End	1363
GI	none	Score	.93
Exons	14..1363		

Seq. No.	41226	Seq. ID	OJ991117_15.0331.C6
Gene No.	85457	Strand	+
Start	6558	End	6893
Name	OJ991117_15.0331.C6.o2.gs	Method	GENSCAN
Start	6558	End	6893
GI	none	Score	.95
Exons	6558..6893		

Seq. No.	41226	Seq. ID	OJ991117_15.0331.C6
Gene No.	85458	Strand	+
Start	9462	End	10298
Name	OJ991117_15.0331.C6.o1.tm	Method	TBLASTX:Maize
Start	204	End	652
GI	none	Score	91
Exons	204..257, 303..332, 466..522, 518..652, 575..652	470..523, 471..524, 495..650,	

Seq. No.	41226	Seq. ID	OJ991117_15.0331.C6
Gene No.	85458	Strand	+
Start	9462	End	10298
Name	OJ991117_15.0331.C6.o2.gp	Method	AAT/GAP
Start	9462	End	10298
GI	none	Score	1591
Exons	9462..10298		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85459	Strand	+
Start	704	End	858
Name	OJ991117_15.0331.C7.o1.gs	Method	GENSCAN
Start	704	End	858
GI	none	Score	.78
Exons	704..858		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85460	Strand	+
Start	4250	End	5156
Name	OJ991117_15.0331.C7.o1.np	Method	AAT/NAP
Start	4250	End	5156
GI	7486132	Score	227
Exons	4250..4375, 4977..5156		
GI Descrip.	hypothetical protein F25G13.60 - Arabidopsis thaliana gi|5123938|emb|CAB45496.1| (AL079349) putative protein [Arabidopsis thaliana] gi|7267999|emb|CAB78339.1| (AL161535) putative protein [Arabidopsis thaliana]		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85461	Strand	+
Start	11532	End	15005
Name	OJ991117_15.0331.C7.o4.gs	Method	GENSCAN
Start	11532	End	15005
GI	none	Score	.79

Exons	11532..11708, 11794..12064, 12306..12425, 12526..12650, 12846..13028, 13144..13173, 13243..13446, 13470..13583, 13677..13769, 13850..13989, 14140..14210, 14293..14373, 14824..15005		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85461	Strand	+
Start	11532	End	15005
Name	OJ991117_15.0331.C7.o3.np	Method	AAT/NAP
Start	11558	End	14568
GI	3763916	Score	763
Exons	11558..11708, 11794..12064, 12306..12425, 12526..12662, 12834..13052, 13279..13446, 13530..13583, 13677..13769, 13850..14019, 14100..14212, 14436..14568		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85462	Strand	-
Start	77	End	174
Name	OJ991117_15.0331.C7.o1.gp	Method	AAT/GAP
Start	77	End	174
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	77..174		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85463	Strand	-
Start	922	End	1289
Name	OJ991117_15.0331.C7.o2.gp	Method	AAT/GAP
Start	922	End	1289
GI	59410_1.R1084	Score	582
Exons	922..1289		
GI Descrip.	'2499945/sp|Q42586|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85464	Strand	-
Start	1456	End	4351
Name	OJ991117_15.0331.C7.o2.gs	Method	GENSCAN
Start	1456	End	4351
GI	none	Score	.65
Exons	1456..1567, 2856..2944, 3132..3295, 3988..4086, 4276..4351		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o3.tc	Method	TBLASTX:Cress
Start	4925	End	5186
GI	none	Score	113

Exons	4925..5149, 5009..5149, 5010..5186, 5050..5169		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o3.ts	Method	TBLASTX:Soybean
Start	5000	End	5183
GI	none	Score	255
Exons	5000..5158, 5007..5183		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o3.gs	Method	GENSCAN
Start	5620	End	9891
GI	none	Score	.49
Exons	5620..5684, 6213..6280, 8065..8191, 8514..9891		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o2.np	Method	AAT/NAP
Start	8394	End	11233
GI	4586036	Score	841
Exons	8394..9507, 9694..9881, 11191..11233		
GI Descrip.	(AC007109) unknown protein [Arabidopsis thaliana]		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o1.tm	Method	TBLASTX:Maize
Start	8421	End	8770
GI	none	Score	374
Exons	8421..8765, 8422..8769, 8423..8770		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o1.ts	Method	TBLASTX:Soybean
Start	8461	End	8985
GI	none	Score	352
Exons	8461..8985		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o4.tc	Method	TBLASTX:Cress
Start	8485	End	8976
GI	none	Score	235
Exons	8485..8976		
Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o3.tm	Method	TBLASTX:Maize
Start	8776	End	9930
GI	none	Score	67

Exons	8776..9231, 8861..8983, 9283..9489, 9283..9471, 9283..9405, 9295..9468, 9307..9489, 9364..9534, 9400..9525, 9400..9516, 9523..9660, 9541..9675, 9544..9657, 9574..9675, 9589..9669, 9685..9930, 9740..9883, 9778..9891

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o1.tw	Method	TBLASTX:Wheat
Start	8857	End	9918
GI	none	Score	117
Exons	8857..9330, 8858..9241, 9286..9480, 9526..9669, 9685..9918		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o1.tc	Method	TBLASTX:Cress
Start	8977	End	9921
GI	none	Score	109
Exons	8977..9531, 8995..9417, 9004..9225, 9013..9228, 9287..9430, 9304..9483, 9307..9483, 9395..9532, 9489..9524, 9544..9675, 9547..9741, 9583..9675, 9685..9921, 9685..9867		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85465	Strand	-
Start	5620	End	11233
Name	OJ991117_15.0331.C7.o5.ts	Method	TBLASTX:Soybean
Start	9001	End	9678
GI	none	Score	82
Exons	9001..9180, 9307..9522, 9307..9522, 9308..9523, 9394..9531, 9401..9532, 9544..9678, 9544..9678, 9547..9606, 9547..9618, 9577..9675		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85466	Strand	
Start	11625	End	14507
Name	OJ991117_15.0331.C7.o4.ts	Method	TBLASTX:Soybean
Start	11625	End	12063
GI	none	Score	64
Exons	11625..11711, 11672..11710, 11793..12062, 11794..12063		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85466	Strand	
Start	11625	End	14507
Name	OJ991117_15.0331.C7.o2.tm	Method	TBLASTX:Maize
Start	11793	End	14507
GI	none	Score	193
Exons	11793..12062, 11794..12072, 12305..12430, 12522..12653, 12828..13055, 12881..13021, 13279..13446, 13317..13433, 13517..13582, 13524..13616, 13524..13586, 13668..13769, 13669..13770, 13670..13771, 13674..13775, 13676..13777, 13843..13992, 13844..13990, 14120..14212, 14334..14387, 14430..14507		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85466	Strand	
Start	11625	End	14507

Name	OJ991117_15.0331.C7.o2.tc	Method	TBLASTX:Cress
Start	12888	End	14375
GI	none	Score	86
Exons	12888..13055, 13279..13446, 13524..13586, 13668..13802, 13674..13775, 13880..13990, 13882..13989, 14120..14212, 14334..14375		

Seq. No.	41227	Seq. ID	OJ991117_15.0331.C7
Gene No.	85466	Strand	
Start	11625	End	14507
Name	OJ991117_15.0331.C7.o2.ts	Method	TBLASTX:Soybean
Start	12912	End	14212
GI	none	Score	80
Exons	12912..13055, 13279..13446, 13524..13586, 13668..13802, 13674..13775, 13880..13990, 13882..13995, 13882..13989, 14120..14212		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	979	End	1183
GI	none	Score	176
Exons	979..1065, 987..1175, 1044..1175, 1052..1183, 1058..1177		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	1000	End	2879
GI	none	Score	141
Exons	1000..1071, 1002..1160, 1047..1151, 1052..1159, 1058..1177, 1180..1380, 1221..1313, 1237..1314, 1588..1866, 1589..1867, 1592..1873, 1593..1871, 2805..2879, 2806..2877		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.gs	Method	GENSCAN
Start	1003	End	3624
GI	none	Score	.81
Exons	1003..1435, 1591..1868, 2827..3624		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.np	Method	AAT/NAP
Start	1595	End	3621
GI	7487578	Score	1152
Exons	1595..1758, 1795..1897, 2820..3621		
GI Descrip.	hypothetical protein T30C3.30 - Arabidopsis thaliana gi|5123925|emb|CAB45513.1| (AL079350) putative protein [Arabidopsis thaliana] gi|7269387|emb|CAB81347.1| (AL161563) putative protein [Arabidopsis thaliana]		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+

Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	1596	End	1862
GI	none	Score	286
Exons	1596..1862		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o2.tc	Method	TBLASTX:Cress
Start	1596	End	1876
GI	none	Score	298
Exons	1596..1862, 1596..1652, 1598..1687, 1731..1862, 1775..1876		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o2.tm	Method	TBLASTX:Maize
Start	3061	End	3333
GI	none	Score	432
Exons	3061..3333, 3061..3330, 3062..3331, 3063..3332		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.gp	Method	AAT/GAP
Start	3135	End	3854
GI	12107_1.R1084	Score	1319
Exons	3135..3854		
GI Descrip.	'5123925/emb|CAB45513.1| 5.0e-57 (AL079350) putative protein [Arabidopsis thaliana]'		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o2.ts	Method	TBLASTX:Soybean
Start	3214	End	3603
GI	none	Score	91
Exons	3214..3285, 3324..3458, 3340..3468, 3480..3602, 3521..3589, 3529..3603		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o1.tc	Method	TBLASTX:Cress
Start	3372	End	3623
GI	none	Score	344
Exons	3372..3494, 3379..3579, 3388..3621, 3531..3623		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o2.tw	Method	TBLASTX:Wheat
Start	3396	End	3599
GI	none	Score	97
Exons	3396..3470, 3397..3483, 3529..3591, 3531..3599		

Seq. No.	41228	Seq. ID	OJ991117_15.0331.C8
Gene No.	85467	Strand	+
Start	1003	End	3854
Name	OJ991117_15.0331.C8.o3.tm	Method	TBLASTX:Maize
Start	3402	End	3624
GI	none	Score	380
Exons	3402..3494, 3403..3624, 3403..3591, 3531..3623		

Seq. No.	41229	Seq. ID	OJ991117_15.0331.C9
Gene No.	85468	Strand	+
Start	655	End	912
Name	OJ991117_15.0331.C9.o1.gs	Method	GENSCAN
Start	655	End	912
GI	none	Score	.78
Exons	655..912		

Seq. No.	41229	Seq. ID	OJ991117_15.0331.C9
Gene No.	85469	Strand	-
Start	2267	End	5915
Name	OJ991117_15.0331.C9.o2.gs	Method	GENSCAN
Start	2267	End	5895
GI	none	Score	.4
Exons	2267..2290, 4031..4086, 4847..4896, 5018..5895		

Seq. No.	41229	Seq. ID	OJ991117_15.0331.C9
Gene No.	85469	Strand	-
Start	2267	End	5915
Name	OJ991117_15.0331.C9.o1.np	Method	AAT/NAP
Start	4968	End	5915
GI	3157929	Score	232
Exons	4968..5551, 5579..5705, 5733..5915		
GI Descrip.	(AC002131) Contains similarity to hypothetical protein gb|Z97336 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	41229	Seq. ID	OJ991117_15.0331.C9
Gene No.	85470	Strand	-
Start	6998	End	7768
Name	OJ991117_15.0331.C9.o1.ts	Method	TBLASTX:Soybean
Start	5146	End	5499
GI	none	Score	138
Exons	5146..5226, 5326..5499		

Seq. No.	41229	Seq. ID	OJ991117_15.0331.C9
Gene No.	85470	Strand	-
Start	6998	End	7768
Name	OJ991117_15.0331.C9.o3.gs	Method	GENSCAN
Start	6998	End	7768
GI	none	Score	.78
Exons	6998..7170, 7630..7768		

Seq. No.	41230	Seq. ID	OJ991117_15.0331.C10
Gene No.	85471	Strand	+
Start	274	End	2277
Name	OJ991117_15.0331.C10.o1.gs	Method	GENSCAN
Start	274	End	2277
GI	none	Score	.75
Exons	274..310, 1059..1166, 2093..2277		

Seq. No.	41230	Seq. ID	OJ991117_15.0331.C10
Gene No.	85472	Strand	+
Start	4019	End	8754
Name	OJ991117_15.0331.C10.o2.gs	Method	GENSCAN
Start	4019	End	6369
GI	none	Score	.84
Exons	4019..4080, 5036..5090, 5305..5469, 5518..5566, 5861..6369		

Seq. No.	41230	Seq. ID	OJ991117_15.0331.C10
Gene No.	85472	Strand	+
Start	4019	End	8754
Name	OJ991117_15.0331.C10.o1.np	Method	AAT/NAP
Start	5899	End	8739
GI	7438233	Score	223
Exons	5899..5990, 6039..6153, 8548..8739		
GI Descrip.	cysteine proteinase inhibitor, extracellular - carrot gi|2204077|dbj|BAA20464.1| (D85623) extracellular insoluble cystatin [Daucus carota]		

Seq. No.	41230	Seq. ID	OJ991117_15.0331.C10
Gene No.	85472	Strand	+
Start	4019	End	8754
Name	OJ991117_15.0331.C10.o3.gs	Method	GENSCAN
Start	7571	End	8754
GI	none	Score	.68
Exons	7571..7875, 8046..8184, 8377..8754		

Seq. No.	41230	Seq. ID	OJ991117_15.0331.C10
Gene No.	85473	Strand	-
Start	8719	End	8918
Name	OJ991117_15.0331.C10.o1.gp	Method	AAT/GAP
Start	8719	End	8918
GI	3106982	Score	374
Exons	8719..8918		

Seq. No.	41230	Seq. ID	OJ991117_15.0331.C10
Gene No.	85474	Strand	-
Start	9404	End	9614
Name	OJ991117_15.0331.C10.o4.gs	Method	GENSCAN
Start	9404	End	9614
GI	none	Score	.56
Exons	9404..9438, 9521..9614		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85475	Strand	-
Start	1	End	70
Name	OJ991117_15.0331.C11.o1.gp	Method	AAT/GAP
Start	1	End	70
GI	none	Score	108
Exons	1..70		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o3.tc	Method	TBLASTX:Cress
Start	721	End	992

GI	none	Score	128
Exons	721..843, 741..842, 918..992		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o1.np	Method	AAT/NAP
Start	732	End	4248
GI	6721161	Score	1619
Exons	732..842, 921..1041, 1115..1261, 1351..1456, 1523..1605, 1741..1868, 2318..2404, 2492..2601, 3401..3568, 3633..3717, 3794..3910, 4019..4095, 4187..4248		
GI Descrip.	(AC016829) putative O-linked GlcNAc transferase [Arabidopsis thaliana]		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	738	End	3855
GI	none	Score	91
Exons	738..842, 738..842, 739..843, 918..1046, 919..1020, 920..1030, 1111..1269, 1115..1264, 1128..1265, 1298..1441, 1330..1455, 1350..1460, 1351..1461, 1522..1605, 1524..1607, 1524..1604, 1720..1869, 1730..1873, 1735..1869, 1740..1871, 1740..1874, 2302..2406, 2315..2407, 2318..2428, 2319..2420, 2492..2545, 2493..2567, 2533..2604, 2534..2602, 2536..2604, 3401..3574, 3495..3569, 3591..3716, 3592..3717, 3610..3729, 3621..3731, 3785..3850, 3790..3855		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	738	End	4247
GI	none	Score	109
Exons	738..842, 742..843, 910..1044, 916..1020, 918..1046, 1111..1269, 1115..1261, 1127..1303, 1334..1432, 1350..1460, 1350..1460, 1354..1461, 1516..1599, 1522..1605, 1524..1604, 1735..1869, 1738..1869, 1740..1874, 2308..2406, 2318..2428, 2319..2420, 2492..2545, 2533..2604, 2534..2602, 3400..3570, 3400..3570, 3401..3574, 3591..3731, 3592..3714, 3790..3912, 3794..3913, 4019..4096, 4021..4098, 4021..4095, 4166..4246, 4191..4247		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o1.gs	Method	GENSCAN
Start	903	End	4095
GI	none	Score	.83
Exons	903..1041, 1351..1605, 1741..1868, 2318..2404, 2527..2601, 3401..3568, 3633..3717, 3794..3910, 4019..4095		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o2.tc	Method	TBLASTX:Cress

Start	1387	End	2542
GI	none	Score	60
Exons	1387..1455, 1389..1454, 1524..1613, 1527..1604, 1726..1869, 1740..1874, 2308..2388, 2318..2428, 2319..2402, 2492..2542		

Seq. No.	41231	Seq. ID	OJ991117_15.0331.C11
Gene No.	85476	Strand	-
Start	903	End	4248
Name	OJ991117_15.0331.C11.o1.tc	Method	TBLASTX:Cress
Start	3401	End	4098
GI	none	Score	87
Exons	3401..3496, 3494..3574, 3495..3569, 3591..3731, 3592..3717, 3785..3913, 3790..3912, 4019..4093, 4021..4098		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85477	Strand	+
Start	1	End	10324
Name	OJ991117_15.0331.C12.o2.np	Method	AAT/NAP
Start	1	End	10324
GI	7508879	Score	37
Exons	1..21, 4722..4765, 5924..6088, 6266..6443, 10304..10324		
GI Descrip.	hypothetical protein W03D2.1 - Caenorhabditis elegans gi|1947160|gb|AAC48255.1| (AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85477	Strand	+
Start	1	End	10324
Name	OJ991117_15.0331.C12.o2.gs	Method	GENSCAN
Start	5745	End	6554
GI	none	Score	.94
Exons	5745..6554		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85478	Strand	-
Start	583	End	4758
Name	OJ991117_15.0331.C12.o1.gs	Method	GENSCAN
Start	583	End	4758
GI	none	Score	.68
Exons	583..591, 852..948, 1046..1211, 1390..1516, 1558..1592, 2522..2600, 2984..3103, 3589..3645, 3993..4043, 4133..4231, 4309..4758		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85478	Strand	-
Start	583	End	4758
Name	OJ991117_15.0331.C12.o1.np	Method	AAT/NAP
Start	852	End	4605
GI	6721161	Score	1188
Exons	852..948, 1046..1248, 1390..1492, 1558..1625, 1726..1779, 1861..1970, 2522..2600, 2674..2736, 2984..3103, 3589..3645, 3743..3859, 3993..4043, 4133..4231, 4309..4605		
GI Descrip.	(AC016829) putative O-linked GlcNAc transferase [Arabidopsis thaliana]		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85478	Strand	-

Start	583	End	4758
Name	OJ991117_15.0331.C12.o1.gp	Method	AAT/GAP
Start	1165	End	1598
GI	none	Score	384
Exons	1165..1248, 1390..1492, 1558..1598		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o1.ts	Method	TBLASTX:Soybean
Start	852	End	3874
GI	none	Score	84
Exons	852..947, 865..957, 1045..1254, 1088..1249, 1390..1491, 1391..1492, 1557..1628, 1560..1649, 2984..3106, 3749..3874		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o2.tm	Method	TBLASTX:Maize
Start	852	End	3874
GI	none	Score	120
Exons	852..947, 853..957, 1045..1254, 1046..1249, 1048..1251, 1390..1491, 1391..1492, 1557..1622, 1560..1628, 3749..3874		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o1.tc	Method	TBLASTX:Cress
Start	1030	End	1485
GI	none	Score	118
Exons	1030..1251, 1043..1267, 1048..1266, 1385..1477, 1387..1485		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o2.ts	Method	TBLASTX:Soybean
Start	1861	End	4455
GI	none	Score	71
Exons	1861..1971, 2674..2739, 3571..3642, 4000..4044, 4131..4226, 4133..4231, 4306..4455		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o3.tm	Method	TBLASTX:Maize
Start	1861	End	4458
GI	none	Score	98
Exons	1861..1971, 1861..1968, 1900..1971, 2520..2606, 2674..2742, 2674..2739, 2978..3106, 2984..3106, 2996..3103, 3990..4046, 4126..4218, 4128..4223, 4131..4220, 4133..4231, 4306..4422, 4306..4458		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o3.gs	Method	GENSCAN
Start	7008	End	10255

GI	none	Score	.75
Exons	7008..7323, 7908..7987, 9483..9707, 9815..9889, 10015..10083, 10190..10255		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o2.gp	Method	AAT/GAP
Start	8798	End	10255
GI	4295_1.R1084	Score	1646
Exons	8798..9221, 9308..9401, 9483..9707, 9815..9889, 10015..10083, 10190..10255		
GI Descrip.	'6041855/gb|AAF02164.1|AC009853_24 3.0e-38 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	9151	End	10258
GI	none	Score	73
Exons	9151..9237, 9169..9237, 9309..9410, 9311..9331, 9336..9404, 9346..9411, 9480..9521, 9481..9525, 9523..9579, 9525..9581, 9567..9608, 9577..9606, 9627..9725, 9628..9723, 9803..9895, 9811..9879, 9812..9892, 10015..10086, 10016..10084, 10187..10255, 10187..10258		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o3.np	Method	AAT/NAP
Start	9273	End	10324
GI	6358773	Score	177
Exons	9273..9490, 9741..9889, 10015..10083, 10190..10324		
GI Descrip.	(AC011665) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o3.ts	Method	TBLASTX:Soybean
Start	9315	End	10258
GI	none	Score	48
Exons	9315..9392, 9483..9656, 9840..9890, 9842..9895, 9845..9892, 10015..10065, 10015..10086, 10016..10084, 10184..10258, 10185..10211		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-
Start	7008	End	10324
Name	OJ991117_15.0331.C12.o1.tw	Method	TBLASTX:Wheat
Start	9828	End	10258
GI	none	Score	56
Exons	9828..9890, 9842..9895, 10015..10086, 10016..10084, 10178..10243, 10187..10258		

Seq. No.	41232	Seq. ID	OJ991117_15.0331.C12
Gene No.	85479	Strand	-

Start	7008	End	10324
Name	OJ991117_15.0331.C12.o2.tc	Method	TBLASTX:Cress
Start	9842	End	10258
GI	none	Score	59
Exons	9842..9895, 9843..9890, 10015..10086, 10016..10084, 10184..10258, 10185..10211		

Seq. No.	41233	Seq. ID	OJ991117_15.0331.C13
Gene No.	85480	Strand	+
Start	1	End	1617
Name	OJ991117_15.0331.C13.o1.np	Method	AAT/NAP
Start	1	End	1614
GI	6069646	Score	153
Exons	1..22, 1448..1614		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41233	Seq. ID	OJ991117_15.0331.C13
Gene No.	85480	Strand	+
Start	1	End	1617
Name	OJ991117_15.0331.C13.o1.gs	Method	GENSCAN
Start	407	End	1617
GI	none	Score	.64
Exons	407..557, 1280..1316, 1529..1617		

Seq. No.	41234	Seq. ID	OJ991117_15.0331.C15
Gene No.	85481	Strand	-
Start	2056	End	2181
Name	OJ991117_15.0331.C15.o1.gs	Method	GENSCAN
Start	2056	End	2181
GI	none	Score	.5
Exons	2056..2181		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.gs	Method	GENSCAN
Start	387	End	3720
GI	none	Score	.84
Exons	387..627, 746..905, 1686..1757, 1945..2049, 2261..2408, 2791..2853, 3452..3501, 3636..3720		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.gp	Method	AAT/GAP
Start	1181	End	3774
GI	4054_1.R1084	Score	1809
Exons	1181..1757, 1945..2049, 2216..2306, 2791..2853, 3452..3501, 3636..3774		
GI Descrip.	'2129622/pir||S71237 6.0e-57 immunophilin FKBP15-1 - Arabidopsis thaliana >gi_1272406 (U52046) immunophilin [Arabidopsis thaliana]'		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.tm	Method	TBLASTX:Maize
Start	1558	End	3517
GI	none	Score	95
Exons	1558..1581, 1693..1758, 1694..1759, 1696..1761, 1943..2050, 1944..2051, 2199..2309, 2213..2305, 2214..2306, 2215..2307, 2790..2855, 2791..2856, 2792..2854, 3452..3517, 3456..3503		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.np	Method	AAT/NAP
Start	1678	End	3547
GI	2129622	Score	436
Exons	1678..1757, 1945..2049, 2216..2306, 2791..2853, 3452..3547		
GI Descrip.	immunophilin FKBP15-1 - Arabidopsis thaliana gi|1272406 (U52046) immunophilin [Arabidopsis thaliana]		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.tc	Method	TBLASTX:Cress
Start	1694	End	3525
GI	none	Score	81
Exons	1694..1759, 1696..1758, 1943..2050, 1944..2054, 1957..2055, 2199..2309, 2215..2307, 2791..2856, 3452..3514, 3457..3525		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.ts	Method	TBLASTX:Soybean
Start	1699	End	3521
GI	none	Score	87
Exons	1699..1758, 1943..2053, 1943..2050, 1944..2054, 2199..2309, 2212..2310, 2214..2300, 2215..2307, 2791..2856, 2792..2851, 3452..3499, 3453..3521		

Seq. No.	41235	Seq. ID	OJ991117_15.0331.C16
Gene No.	85482	Strand	-
Start	387	End	3774
Name	OJ991117_15.0331.C16.o1.tw	Method	TBLASTX:Wheat
Start	1952	End	3523
GI	none	Score	158
Exons	1952..2050, 1953..2051, 1957..2052, 2199..2306, 2213..2305, 2215..2307, 2790..2855, 2794..2856, 2795..2854, 3452..3523, 3456..3503		

Seq. No.	41236	Seq. ID	OJ991117_15.0331.C17
Gene No.	85483	Strand	-
Start	2349	End	3194
Name	OJ991117_15.0331.C17.o1.gs	Method	GENSCAN
Start	2349	End	3194
GI	none	Score	.63
Exons	2349..3194		

Seq. No.	41237	Seq. ID	OJ991117_15.0331.C18
Gene No.	85484	Strand	+
Start	19	End	1005
Name	OJ991117_15.0331.C18.o1.gs	Method	GENSCAN
Start	19	End	1005
GI	none	Score	.69
Exons	19..178, 209..405, 955..1005		

Seq. No.	41237	Seq. ID	OJ991117_15.0331.C18
Gene No.	85485	Strand	-
Start	2129	End	3012
Name	OJ991117_15.0331.C18.o2.gs	Method	GENSCAN
Start	2129	End	2928
GI	none	Score	.95
Exons	2129..2807, 2825..2928		

Seq. No.	41237	Seq. ID	OJ991117_15.0331.C18
Gene No.	85485	Strand	-
Start	2129	End	3012
Name	OJ991117_15.0331.C18.o1.gp	Method	AAT/GAP
Start	2662	End	3012
GI	none	Score	614
Exons	2662..3012		

Seq. No.	41237	Seq. ID	OJ991117_15.0331.C18
Gene No.	85486	Strand	-
Start	5463	End	9038
Name	OJ991117_15.0331.C18.o2.gp	Method	AAT/GAP
Start	4924	End	5589
GI	5002989	Score	1253
Exons	4924..5589		

Seq. No.	41237	Seq. ID	OJ991117_15.0331.C18
Gene No.	85486	Strand	-
Start	5463	End	9038
Name	OJ991117_15.0331.C18.o3.gs	Method	GENSCAN
Start	5463	End	9038
GI	none	Score	.9
Exons	5463..6127, 7967..8092, 9023..9038		

Seq. No.	41237	Seq. ID	OJ991117_15.0331.C18
Gene No.	85486	Strand	-
Start	5463	End	9038
Name	OJ991117_15.0331.C18.o3.gp	Method	AAT/GAP
Start	5833	End	6143
GI	none	Score	547
Exons	5833..6143		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19
Gene No.	85487	Strand	+
Start	386	End	881
Name	OJ991117_15.0331.C19.o1.gp	Method	AAT/GAP
Start	386	End	881
GI	none	Score	980
Exons	386..881		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19

Gene No.	85488	Strand	-
Start	873	End	3797
Name	OJ991117_15.0331.C19.o1.tm	Method	TBLASTX:Maize
Start	525	End	3113
GI	none	Score	44
Exons	525..551, 563..586, 574..738, 631..720, 813..866, 813..863, 864..1004, 865..1005, 865..1005, 1000..1191, 1002..1295, 1019..1195, 1173..1283, 1173..1364, 1225..1377, 1236..1433, 1336..1455, 1340..1441, 1442..1519, 1442..1513, 1524..1679, 1524..1682, 1612..1713, 1659..1889, 1726..1881, 2072..2254, 2098..2265, 2102..2314, 3054..3113, 3066..3113		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19
Gene No.	85488	Strand	-
Start	873	End	3797
Name	OJ991117_15.0331.C19.o2.ts	Method	TBLASTX:Soybean
Start	870	End	1670
GI	none	Score	99
Exons	870..1049, 874..981, 1119..1190, 1173..1343, 1275..1406, 1419..1601, 1531..1602, 1584..1670		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19
Gene No.	85488	Strand	-
Start	873	End	3797
Name	OJ991117_15.0331.C19.o1.gs	Method	GENSCAN
Start	873	End	3692
GI	none	Score	.87
Exons	873..1883, 2119..2262, 3054..3131, 3576..3692		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19
Gene No.	85488	Strand	-
Start	873	End	3797
Name	OJ991117_15.0331.C19.o1.ts	Method	TBLASTX:Soybean
Start	1671	End	3707
GI	none	Score	90
Exons	1671..1889, 1715..1852, 1726..1881, 2098..2265, 2118..2243, 2147..2263, 3054..3140, 3571..3699, 3571..3696, 3576..3707		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19
Gene No.	85488	Strand	-
Start	873	End	3797
Name	OJ991117_15.0331.C19.o1.tc	Method	TBLASTX:Cress
Start	1830	End	3707
GI	none	Score	125
Exons	1830..1889, 2098..2265, 2102..2305, 3054..3134, 3571..3696, 3575..3682, 3576..3707, 3580..3699		

Seq. No.	41238	Seq. ID	OJ991117_15.0331.C19
Gene No.	85488	Strand	-
Start	873	End	3797
Name	OJ991117_15.0331.C19.o2.tm	Method	TBLASTX:Maize
Start	3571	End	3797
GI	none	Score	79
Exons	3571..3618, 3572..3619, 3617..3694, 3618..3707, 3619..3693, 3622..3708, 3623..3694, 3773..3796, 3774..3797		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1

Gene No.	85489	Strand	+
Start	10821	End	12870
Name	OJ991217_03.0303.C1.o2.gs	Method	GENSCAN
Start	10821	End	12870
GI	none	Score	.78
Exons	10821..10988, 11529..12348, 12434..12870		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85490	Strand	+
Start	13750	End	15811
Name	OJ991217_03.0303.C1.o4.np	Method	AAT/NAP
Start	13750	End	15811
GI	6721561	Score	133
Exons	13750..13840, 15774..15811		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85491	Strand	-
Start	1	End	9435
Name	OJ991217_03.0303.C1.o1.np	Method	AAT/NAP
Start	1	End	1776
GI	5689413	Score	321
Exons	1..286, 374..484, 1750..1776		
GI Descrip.	(AB028961) KIAA1038 protein [Homo sapiens]		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85491	Strand	-
Start	1	End	9435
Name	OJ991217_03.0303.C1.o1.gs	Method	GENSCAN
Start	49	End	9435
GI	none	Score	.67
Exons	49..286, 374..484, 595..926, 1396..1530, 1632..1781, 2602..2761, 5822..6120, 7441..7505, 8422..8557, 8828..8979, 9314..9435		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85492	Strand	-
Start	11485	End	12920
Name	OJ991217_03.0303.C1.o2.np	Method	AAT/NAP
Start	11485	End	12920
GI	6815109	Score	232
Exons	11485..11774, 11930..12920		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85493	Strand	-
Start	13628	End	13717
Name	OJ991217_03.0303.C1.o3.np	Method	AAT/NAP
Start	13628	End	13717
GI	4680183	Score	126
Exons	13628..13717		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1

Gene No.	85494	Strand	-
Start	14348	End	14456
Name	OJ991217_03.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	409
GI	none	Score	361
Exons	2..289, 3..290, 374..409		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85494	Strand	-
Start	14348	End	14456
Name	OJ991217_03.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	45	End	484
GI	none	Score	108
Exons	45..287, 53..286, 369..482, 377..484		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85494	Strand	-
Start	14348	End	14456
Name	OJ991217_03.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	53	End	484
GI	none	Score	75
Exons	53..283, 59..262, 369..482, 377..484		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85494	Strand	-
Start	14348	End	14456
Name	OJ991217_03.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	53	End	484
GI	none	Score	64
Exons	53..283, 369..482, 377..484		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85494	Strand	-
Start	14348	End	14456
Name	OJ991217_03.0303.C1.o2.tm	Method	TBLASTX:Maize
Start	410	End	936
GI	none	Score	96
Exons	410..484, 411..485, 564..923, 579..929, 592..936		

Seq. No.	41239	Seq. ID	OJ991217_03.0303.C1
Gene No.	85494	Strand	-
Start	14348	End	14456
Name	OJ991217_03.0303.C1.o2.gp	Method	AAT/GAP
Start	14348	End	14456
GI	uC-osflcyp088b12b1	Score	145
Exons	14348..14456		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85495	Strand	+
Start	78	End	1245
Name	OJ991217_03.0303.C2.o1.gs	Method	GENSCAN
Start	78	End	1245
GI	none	Score	.57
Exons	78..122, 959..1245		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85496	Strand	+
Start	2193	End	3055
Name	OJ991217_03.0303.C2.o2.gs	Method	GENSCAN
Start	2193	End	3055
GI	none	Score	.65
Exons	2193..2260, 2531..2802, 2922..3055		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85497	Strand	-
Start	585	End	677
Name	OJ991217_03.0303.C2.o2.gp	Method	AAT/GAP
Start	585	End	677
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	585..677		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o3.gs	Method	GENSCAN
Start	3151	End	10481
GI	none	Score	.72
Exons	3151..3513, 4182..4385, 4467..4723, 4814..4898, 4995..5079, 5184..5530, 5541..5729, 5949..5966, 6067..6091, 6553..6716, 8078..8143, 8298..8346, 8509..8576, 8679..8724, 9029..9122, 9205..9267, 9447..9569, 9676..9739, 9965..10090, 10243..10481		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o1.np	Method	AAT/NAP
Start	4137	End	5761
GI	125580	Score	1363
Exons	4137..4385, 4467..4723, 4814..4898, 4995..5079, 5184..5761		
GI Descrip.	PHOSPHORIBULOKINASE PRECURSOR (PHOSPHOPENTOKINASE) (PRKASE) (PRK) gi|100839|pir||S15743 phosphoribulokinase (EC 2.7.1.19) - wheat gi|5924030|emb|CAB56544.1| (X51608) phosphoribulokinase [Triticum aestivum]		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	4179	End	5570
GI	none	Score	196
Exons	4179..4388, 4183..4311, 4455..4652, 4465..4635, 4609..4761, 4668..4724, 4815..4904, 4816..4896, 4995..5015, 4995..5078, 5148..5447, 5186..5446, 5501..5569, 5502..5570		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	4179	End	4388

GI	none	Score	170
Exons	4179..4388, 4183..4311		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o2.tc	Method	TBLASTX:Cress
Start	4179	End	4348
GI	none	Score	180
Exons	4179..4340, 4183..4311, 4198..4347, 4292..4348		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	4485	End	5573
GI	none	Score	133
Exons	4485..4652, 4486..4638, 4668..4724, 4678..4725, 4811..4900, 4815..4904, 4816..4899, 4995..5078, 5148..5447, 5186..5446, 5499..5573, 5501..5572		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	4512	End	5573
GI	none	Score	115
Exons	4512..4652, 4539..4652, 4668..4724, 4668..4724, 4678..4761, 4815..4904, 4822..4899, 4824..4904, 4995..5078, 4996..5106, 5160..5447, 5186..5446, 5501..5572, 5502..5573		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o3.gp	Method	AAT/GAP
Start	6906	End	10484
GI	13390_1.R1084	Score	2368
Exons	6906..7254, 8078..8143, 8298..8346, 8509..8576, 8679..8724, 9029..9122, 9205..9267, 9447..9569, 9676..9709, 9798..9860, 9965..10090, 10243..10484		
GI Descrip.	'3941289 3.0e-89 (AF018093) similarity to SCAMP37 [Pisum sativum]'		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	7118	End	10469
GI	none	Score	46
Exons	7118..7177, 7131..7178, 7208..7252, 7208..7258, 7212..7271, 7213..7266, 8067..8144, 8068..8145, 8068..8142, 8078..8155, 8284..8343, 8295..8351, 8299..8349, 8490..8576, 8502..8576, 8509..8577, 8509..8577, 8676..8738, 8679..8756, 9023..9160, 9024..9122, 9028..9141, 9029..9142, 9185..9268, 9207..9269, 10243..10299, 10244..10300, 10423..10461, 10425..10469		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2

Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o2.np	Method	AAT/NAP
Start	7176	End	10305
GI	7109228	Score	477
Exons	7176..7254, 8078..8143, 8298..8346, 8509..8576, 8679..8724, 9029..9114, 9197..9267, 9447..9569, 9676..9709, 9798..9866, 9965..10058, 10217..10305		
GI Descrip.	(AF225920) secretory carrier membrane protein [Arabidopsis thaliana]		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o4.ts	Method	TBLASTX:Soybean
Start	8538	End	9483
GI	none	Score	49
Exons	8538..8576, 8676..8738, 9027..9110, 9028..9117, 9029..9151, 9203..9268, 9204..9269, 9445..9483		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	9403	End	10058
GI	none	Score	121
Exons	9403..9567, 9410..9568, 9441..9569, 9444..9569, 9446..9571, 9676..9711, 9677..9709, 9806..9853, 9807..9851, 9960..10013, 9965..10012, 9975..10058, 10010..10057		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o3.ts	Method	TBLASTX:Soybean
Start	9487	End	10006
GI	none	Score	121
Exons	9487..9567, 9494..9571, 9494..9571, 9680..9718, 9683..9712, 9801..9860, 9971..10006		

Seq. No.	41240	Seq. ID	OJ991217_03.0303.C2
Gene No.	85498	Strand	-
Start	3151	End	10484
Name	OJ991217_03.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	9532	End	10344
GI	none	Score	54
Exons	9532..9567, 9536..9571, 9539..9568, 9669..9710, 9673..9711, 9676..9711, 9796..9858, 9797..9850, 9798..9860, 9963..10022, 9965..10021, 10007..10057, 10008..10055, 10255..10344, 10256..10312		

Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85499	Strand	+
Start	16994	End	22438
Name	OJ991217_03.0303.C3.o3.np	Method	AAT/NAP
Start	16994	End	22438
GI	4587521	Score	483
Exons	16994..17047, 19838..19878, 20542..20682, 21641..21818,		

	21873..22079, 22116..22192, 22320..22438		
GI Descrip.	(AC007060) Identical to gb|D88748 AR411 gene from Arabidopsis thaliana. EST gb|T20672 comes from this gene.		
Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85499	Strand	+
Start	16994	End	22438
Name	OJ991217_03.0303.C3.o2.gs	Method	GENSCAN
Start	21717	End	22337
GI	none	Score	.83
Exons	21717..22337		
Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85500	Strand	-
Start	7446	End	8618
Name	OJ991217_03.0303.C3.o2.np	Method	AAT/NAP
Start	7446	End	8618
GI	4680186	Score	215
Exons	7446..7869, 8468..8618		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85501	Strand	-
Start	23779	End	24082
Name	OJ991217_03.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	2208	End	2609
GI	none	Score	319
Exons	2208..2609, 2216..2596, 2394..2609		
Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85501	Strand	-
Start	23779	End	24082
Name	OJ991217_03.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	20539	End	22187
GI	none	Score	189
Exons	20539..20574, 20540..20710, 20572..20682, 21638..21796, 21639..21794, 22122..22187		
Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85501	Strand	-
Start	23779	End	24082
Name	OJ991217_03.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	20539	End	21794
GI	none	Score	130
Exons	20539..20562, 20609..20710, 20620..20682, 21547..21630, 21638..21793, 21639..21794		
Seq. No.	41241	Seq. ID	OJ991217_03.0303.C3
Gene No.	85501	Strand	-
Start	23779	End	24082
Name	OJ991217_03.0303.C3.o3.gs	Method	GENSCAN
Start	23779	End	24082
GI	none	Score	.42
Exons	23779..24082		
Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85502	Strand	+

Start	1174	End	11570
Name	OJ991217_03.0303.C4.o1.gs	Method	GENSCAN
Start	1174	End	11570
GI	none	Score	.71
Exons	1174..1240, 4478..4641, 4772..4800, 5072..5142, 5375..5549, 6100..6157, 6316..6406, 6439..6560, 6956..7064, 7542..7759, 7765..8426, 8504..9298, 11266..11436, 11510..11570		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85502	Strand	+
Start	1174	End	11570
Name	OJ991217_03.0303.C4.o1.np	Method	AAT/NAP
Start	6487	End	9299
GI	4102839	Score	977
Exons	6487..6618, 7530..7759, 7846..8426, 8504..9299		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	7511	End	7893
GI	none	Score	192
Exons	7511..7729, 7526..7723, 7543..7728, 7813..7893		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	7544	End	9152
GI	none	Score	108
Exons	7544..7732, 7810..7902, 7909..8043, 8068..8370, 8398..8427, 8553..8708, 8715..8870, 8970..9152		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	7894	End	9293
GI	none	Score	98
Exons	7894..8043, 8074..8139, 8143..8358, 8490..8699, 8567..8698, 8715..8870, 8967..9293, 8975..9271		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	7942	End	9296
GI	none	Score	72
Exons	7942..8040, 8068..8316, 8088..8303, 8463..8558, 8532..8687, 8721..8870, 8966..9163, 8967..9155, 9174..9296		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	8967	End	9293

GI	none	Score	274
Exons	8967..9293, 8972..9181		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o2.np	Method	AAT/NAP
Start	12582	End	13834
GI	6907106	Score	397
Exons	12582..12888, 13226..13576, 13649..13834		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o1.gp	Method	AAT/GAP
Start	13307	End	13770
GI	6547_1.R1084	Score	721
Exons	13307..13770		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41242	Seq. ID	OJ991217_03.0303.C4
Gene No.	85503	Strand	+
Start	12582	End	13834
Name	OJ991217_03.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	13365	End	13737
GI	none	Score	112
Exons	13365..13601, 13388..13507, 13390..13512, 13411..13470, 13566..13625, 13592..13648, 13606..13644, 13678..13737, 13690..13734, 13695..13736		

Seq. No.	41243	Seq. ID	OJ990527_33.0309.C12
Gene No.	85504	Strand	-
Start	1468	End	1612
Name	OJ990527_33.0309.C12.o1.gp	Method	AAT/GAP
Start	1468	End	1612
GI	6756_1.R1084	Score	229
Exons	1468..1612		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 2.0e-24 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	41244	Seq. ID	OJ990527_33.0309.C14
Gene No.	85505	Strand	-
Start	313	End	901
Name	OJ990527_33.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	31	End	539
GI	none	Score	129
Exons	31..126, 32..127, 173..238, 178..237, 265..324, 266..325, 426..482, 438..518, 438..509, 450..518, 516..539		

Seq. No.	41244	Seq. ID	OJ990527_33.0309.C14
Gene No.	85505	Strand	-
Start	313	End	901
Name	OJ990527_33.0309.C14.o2.gp	Method	AAT/GAP

Start	313	End	901
GI	none	Score	1044
Exons	313..901		

Seq. No.	41245	Seq. ID	OJ990527_33.0309.C20
Gene No.	85506	Strand	-
Start	140	End	1207
Name	OJ990527_33.0309.C20.o1.gp	Method	AAT/GAP
Start	140	End	682
GI	3763517	Score	954
Exons	140..682		

Seq. No.	41245	Seq. ID	OJ990527_33.0309.C20
Gene No.	85506	Strand	-
Start	140	End	1207
Name	OJ990527_33.0309.C20.o2.gp	Method	AAT/GAP
Start	477	End	1207
GI	25600_5.R1084	Score	735
Exons	477..650, 673..890, 993..1207		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	41245	Seq. ID	OJ990527_33.0309.C20
Gene No.	85506	Strand	-
Start	140	End	1207
Name	OJ990527_33.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	559	End	1053
GI	none	Score	36
Exons	559..603, 626..652, 665..769, 976..1053, 992..1045	676..768, 784..891, 785..892,	

Seq. No.	41245	Seq. ID	OJ990527_33.0309.C20
Gene No.	85506	Strand	-
Start	140	End	1207
Name	OJ990527_33.0309.C20.o1.tw	Method	TBLASTX:Wheat
Start	664	End	1053
GI	none	Score	94
Exons	664..768, 668..769, 784..885, 991..1053, 992..1045	785..883, 864..884, 990..1031,	

Seq. No.	41246	Seq. ID	OJ990527_33.0309.C22
Gene No.	85507	Strand	-
Start	642	End	1066
Name	OJ990527_33.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	482	End	1062
GI	none	Score	36
Exons	482..526, 549..575, 588..692, 922..1062, 922..984	599..691, 707..814, 708..815,	

Seq. No.	41246	Seq. ID	OJ990527_33.0309.C22
Gene No.	85507	Strand	-
Start	642	End	1066
Name	OJ990527_33.0309.C22.o1.tw	Method	TBLASTX:Wheat
Start	587	End	984
GI	none	Score	90
Exons	587..691, 591..692, 707..808,	708..806, 922..984	

Seq. No.	41246	Seq. ID	OJ990527_33.0309.C22
Gene No.	85507	Strand	-
Start	642	End	1066
Name	OJ990527_33.0309.C22.o1.gp	Method	AAT/GAP
Start	642	End	1066
GI	2431531	Score	435
Exons	642..813, 924..1066		

Seq. No.	41247	Seq. ID	OJ990527_33.0309.C26
Gene No.	85508	Strand	+
Start	257	End	948
Name	OJ990527_33.0309.C26.o1.gp	Method	AAT/GAP
Start	257	End	948
GI	3548940	Score	944
Exons	257..948		

Seq. No.	41248	Seq. ID	OJ990527_33.0309.C32
Gene No.	85509	Strand	
Start	3	End	223
Name	OJ990527_33.0309.C32.o1.tw	Method	TBLASTX:Wheat
Start	3	End	223
GI	none	Score	132
Exons	3..164, 3..107, 150..206, 155..223		

Seq. No.	41249	Seq. ID	OJ990527_11.0310.C2
Gene No.	85510	Strand	-
Start	59	End	561
Name	OJ990527_11.0310.C2.o1.gp	Method	AAT/GAP
Start	59	End	561
GI	3767039	Score	534
Exons	59..206, 403..561		

Seq. No.	41249	Seq. ID	OJ990527_11.0310.C2
Gene No.	85511	Strand	
Start	899	End	1088
Name	OJ990527_11.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	899	End	1088
GI	none	Score	107
Exons	899..1087, 906..1088		

Seq. No.	41250	Seq. ID	OJ990527_11.0310.C14
Gene No.	85512	Strand	+
Start	749	End	1539
Name	OJ990527_11.0310.C14.o1.gp	Method	AAT/GAP
Start	749	End	1508
GI	22048_1.R1084	Score	891
Exons	749..967, 1056..1119, 1209..1258, 1343..1508		
GI Descrip.	'4567247/gb|AAD23661.1|AC007070_10 2.0e-32 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41250	Seq. ID	OJ990527_11.0310.C14
Gene No.	85512	Strand	+
Start	749	End	1539
Name	OJ990527_11.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	770	End	1421
GI	none	Score	98
Exons	770..865, 809..883, 905..967, 906..968, 1051..1110, 1054..1122,		

1059..1121, 1208..1258, 1209..1256, 1326..1415, 1333..1416, 1334..1417, 1353..1421, 1364..1420

Seq. No.	41250	Seq. ID	OJ990527_11.0310.C14
Gene No.	85512	Strand	+
Start	749	End	1539
Name	OJ990527_11.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	917	End	1539
GI	none	Score	82
Exons	917..964, 918..968, 1053..1112, 1054..1113, 1206..1256, 1211..1258, 1353..1442, 1364..1441, 1456..1539, 1457..1534		

Seq. No.	41251	Seq. ID	OJ990527_11.0310.C15
Gene No.	85513	Strand	-
Start	729	End	1011
Name	OJ990527_11.0310.C15.o1.gp	Method	AAT/GAP
Start	729	End	1011
GI	8546_2.R1084	Score	532
Exons	729..1011		
GI Descrip.	'5091520/dbj|BAA78755.1| 4.0e-59 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	41252	Seq. ID	OJ990527_11.0310.C16
Gene No.	85514	Strand	-
Start	722	End	926
Name	OJ990527_11.0310.C16.o1.gp	Method	AAT/GAP
Start	722	End	926
GI	10341_1.R1084	Score	314
Exons	722..926		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85515	Strand	+
Start	15068	End	15339
Name	OJ990707_12.0309.C2.o3.gp	Method	AAT/GAP
Start	15068	End	15339
GI	61605_1.R1084	Score	442
Exons	15068..15339		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85516	Strand	-
Start	3583	End	3964
Name	OJ990707_12.0309.C2.o1.gp	Method	AAT/GAP
Start	3583	End	3964
GI	uC-osf1cyp033a04b1	Score	655
Exons	3583..3964		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85517	Strand	
Start	7697	End	8860
Name	OJ990707_12.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	7697	End	8683
GI	none	Score	268
Exons	7697..7990, 7699..7914, 7910..7981, 8001..8165, 8002..8181, 8182..8430, 8186..8626, 8471..8596, 8657..8683		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85517	Strand	
Start	7697	End	8860
Name	OJ990707_12.0309.C2.o9.tw	Method	TBLASTX:Wheat
Start	7745	End	7986
GI	none	Score	229
Exons	7745..7984, 7771..7986		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85517	Strand	
Start	7697	End	8860
Name	OJ990707_12.0309.C2.o8.tw	Method	TBLASTX:Wheat
Start	8001	End	8410
GI	none	Score	147
Exons	8001..8162, 8002..8187, 8185..8337, 8186..8341, 8351..8410		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85517	Strand	
Start	7697	End	8860
Name	OJ990707_12.0309.C2.o3.ts	Method	TBLASTX:Soybean
Start	8267	End	8827
GI	none	Score	170
Exons	8267..8617, 8621..8827		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85517	Strand	
Start	7697	End	8860
Name	OJ990707_12.0309.C2.o7.tw	Method	TBLASTX:Wheat
Start	8417	End	8860
GI	none	Score	294
Exons	8417..8860, 8524..8769		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o6.tw	Method	TBLASTX:Wheat
Start	18550	End	18883
GI	none	Score	103
Exons	18550..18882, 18659..18883		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	18742	End	19325
GI	none	Score	181
Exons	18742..19092, 18743..19093, 19035..19169, 19096..19170, 19100..19174, 19167..19325, 19171..19323		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	18883	End	19508
GI	none	Score	83
Exons	18883..19107, 18884..19108, 19098..19508, 19099..19506		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o4.tm	Method	TBLASTX:Maize
Start	19377	End	19668
GI	none	Score	138
Exons	19377..19667, 19380..19667, 19381..19668		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o2.ts	Method	TBLASTX:Soybean
Start	19470	End	19724
GI	none	Score	156
Exons	19470..19715, 19471..19716, 19491..19724		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	19491	End	19730
GI	none	Score	122
Exons	19491..19634, 19492..19632, 19635..19730		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85518	Strand	
Start	18550	End	20003
Name	OJ990707_12.0309.C2.o4.tw	Method	TBLASTX:Wheat
Start	19515	End	20003
GI	none	Score	201
Exons	19515..19733, 19519..19758, 19519..19734, 19722..19976, 19734..20003, 19736..20002		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85519	Strand	
Start	20003	End	20916
Name	OJ990707_12.0309.C2.o2.tw	Method	TBLASTX:Wheat
Start	20003	End	20506
GI	none	Score	33
Exons	20003..20506, 20004..20060, 20085..20120, 20199..20471		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85519	Strand	
Start	20003	End	20916
Name	OJ990707_12.0309.C2.o3.tm	Method	TBLASTX:Maize
Start	20195	End	20636
GI	none	Score	208
Exons	20195..20635, 20208..20636		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85519	Strand	
Start	20003	End	20916
Name	OJ990707_12.0309.C2.o4.ts	Method	TBLASTX:Soybean
Start	20255	End	20500
GI	none	Score	204
Exons	20255..20500		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85519	Strand	
Start	20003	End	20916
Name	OJ990707_12.0309.C2.o5.tw	Method	TBLASTX:Wheat
Start	20507	End	20782
GI	none	Score	258
Exons	20507..20779, 20523..20777, 20552..20782		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85519	Strand	
Start	20003	End	20916
Name	OJ990707_12.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	20522	End	20916
GI	none	Score	215
Exons	20522..20782, 20523..20777, 20552..20806, 20783..20878, 20830..20880, 20884..20916		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85520	Strand	
Start	20833	End	21339
Name	OJ990707_12.0309.C2.o5.tm	Method	TBLASTX:Maize
Start	20833	End	21273
GI	none	Score	375
Exons	20833..21273		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85520	Strand	
Start	20833	End	21339
Name	OJ990707_12.0309.C2.o3.tw	Method	TBLASTX:Wheat
Start	20857	End	21339
GI	none	Score	248
Exons	20857..21339, 20861..21328		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85521	Strand	
Start	21274	End	21436
Name	OJ990707_12.0309.C2.o6.tm	Method	TBLASTX:Maize
Start	21274	End	21436
GI	none	Score	147
Exons	21274..21435, 21275..21436		

Seq. No.	41253	Seq. ID	OJ990707_12.0309.C2
Gene No.	85522	Strand	
Start	21510	End	21846
Name	OJ990707_12.0309.C2.o10.tw	Method	TBLASTX:Wheat
Start	21510	End	21846
GI	none	Score	74
Exons	21510..21632, 21511..21621, 21512..21637, 21666..21842,		

21682..21846, 21720..21800, 21766..21846

Seq. No.	41254	Seq. ID	OJ990707_12.0309.C4
Gene No.	85523	Strand	
Start	2	End	544
Name	OJ990707_12.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	2	End	544
GI	none	Score	53
Exons	2..133, 213..377, 233..376, 407..505, 422..544		

Seq. No.	41255	Seq. ID	OJ990707_12.0309.C9
Gene No.	85524	Strand	+
Start	1189	End	1630
Name	OJ990707_12.0309.C9.o1.gp	Method	AAT/GAP
Start	1189	End	1630
GI	none	Score	860
Exons	1189..1630		

Seq. No.	41256	Seq. ID	OJ990707_12.0309.C10
Gene No.	85525	Strand	
Start	296	End	715
Name	OJ990707_12.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	296	End	715
GI	none	Score	58
Exons	296..352, 297..332, 402..521, 411..476, 419..520, 624..683, 625..714, 635..715		

Seq. No.	41257	Seq. ID	OJ990707_12.0309.C13
Gene No.	85526	Strand	-
Start	2280	End	2532
Name	OJ990707_12.0309.C13.o1.gp	Method	AAT/GAP
Start	2280	End	2532
GI	428594	Score	405
Exons	2280..2532		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85527	Strand	+
Start	1143	End	1284
Name	OJ990707_12.0309.C17.o1.gp	Method	AAT/GAP
Start	1143	End	1284
GI	39232_1.R1084	Score	229
Exons	1143..1284		
GI Descrip.	'3738302 5.0e-31 (AC005309) tubby-like protein [Arabidopsis thaliana] >gi_4249398 (AC006072) putative tubby protein [Arabidopsis thaliana]'		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890
Name	OJ990707_12.0309.C17.o1.tw	Method	TBLASTX:Wheat
Start	1144	End	1498
GI	none	Score	320
Exons	1144..1212, 1154..1216, 1157..1498, 1270..1374, 1441..1485		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890

Name	OJ990707_12.0309.C17.o2.tc	Method	TBLASTX:Cress
Start	1144	End	1426
GI	none	Score	236
Exons	1144..1206, 1157..1426, 1163..1222, 1270..1377		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890
Name	OJ990707_12.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	1145	End	1737
GI	none	Score	840
Exons	1145..1732, 1157..1732, 1270..1737, 1579..1737		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890
Name	OJ990707_12.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	1271	End	1720
GI	none	Score	96
Exons	1271..1366, 1427..1720, 1447..1533, 1454..1720		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890
Name	OJ990707_12.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	1437	End	1717
GI	none	Score	108
Exons	1437..1667, 1439..1717, 1439..1693, 1588..1716		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890
Name	OJ990707_12.0309.C17.o2.gp	Method	AAT/GAP
Start	1473	End	1890
GI	41439_1.R1084	Score	832
Exons	1473..1890		
GI Descrip.	'4309738/gb|AAD15508| 1.0e-25 (AC006439) putative tubby protein [Arabidopsis thaliana]'		

Seq. No.	41258	Seq. ID	OJ990707_12.0309.C17
Gene No.	85528	Strand	-
Start	1473	End	1890
Name	OJ990707_12.0309.C17.o2.tw	Method	TBLASTX:Wheat
Start	1556	End	1735
GI	none	Score	183
Exons	1556..1735, 1591..1716		

Seq. No.	41259	Seq. ID	OJ990707_12.0309.C25
Gene No.	85529	Strand	+
Start	974	End	1414
Name	OJ990707_12.0309.C25.o2.gp	Method	AAT/GAP
Start	974	End	1414
GI	6024955	Score	784
Exons	974..1414		

Seq. No.	41259	Seq. ID	OJ990707_12.0309.C25
Gene No.	85530	Strand	-

Start	324	End	763
Name	OJ990707_12.0309.C25.o1.gp	Method	AAT/GAP
Start	324	End	763
GI	71481_1.R1084	Score	729
Exons	324..763		
GI Descrip.	'3660464/emb|AJ001753|ATI134T 1.0e-20 Arabidopsis thaliana mRNA for Inositol 1,3,4-Trisphosphate 5/6 Kinase'		

Seq. No.	41259	Seq. ID	OJ990707_12.0309.C25
Gene No.	85531	Strand	-
Start	1457	End	2368
Name	OJ990707_12.0309.C25.o3.gp	Method	AAT/GAP
Start	1457	End	2368
GI	3759642	Score	1018
Exons	1457..1858, 2244..2368		

Seq. No.	41259	Seq. ID	OJ990707_12.0309.C25
Gene No.	85531	Strand	-
Start	1457	End	2368
Name	OJ990707_12.0309.C25.o1.tm	Method	TBLASTX:Maize
Start	1478	End	1728
GI	none	Score	248
Exons	1478..1726, 1479..1727, 1486..1728		

Seq. No.	41259	Seq. ID	OJ990707_12.0309.C25
Gene No.	85532	Strand	
Start	2286	End	2516
Name	OJ990707_12.0309.C25.o2.tm	Method	TBLASTX:Maize
Start	2286	End	2516
GI	none	Score	43
Exons	2286..2321, 2287..2322, 2309..2461, 2311..2364, 2312..2401, 2361..2453, 2477..2515, 2487..2516		

Seq. No.	41260	Seq. ID	OJ990707_12.0309.C30
Gene No.	85533	Strand	+
Start	218	End	835
Name	OJ990707_12.0309.C30.o1.gp	Method	AAT/GAP
Start	218	End	835
GI	101153_1.R1084	Score	518
Exons	218..410, 724..835		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85534	Strand	+
Start	1538	End	2462
Name	OJ990707_12.0309.C33.o1.gp	Method	AAT/GAP
Start	1538	End	2462
GI	none	Score	1524
Exons	1538..2281, 2380..2462		

Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85535	Strand	+
Start	2592	End	3603
Name	OJ990707_12.0309.C33.o1.tm	Method	TBLASTX:Maize
Start	2272	End	2747
GI	none	Score	38

Exons	2272..2346, 2370..2492, 2376..2495, 2378..2494, 2586..2747, 2597..2719, 2611..2724		
Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85535	Strand	+
Start	2592	End	3603
Name	OJ990707_12.0309.C33.o1.ts	Method	TBLASTX:Soybean
Start	2378	End	3117
GI	none	Score	148
Exons	2378..2494, 2379..2495, 2567..2734, 2598..2735, 3013..3117		
Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85535	Strand	+
Start	2592	End	3603
Name	OJ990707_12.0309.C33.o2.gp	Method	AAT/GAP
Start	2592	End	3603
GI	30412_1.R1084	Score	1215
Exons	2592..2756, 2839..2913, 3013..3285, 3474..3603		
GI Descrip.	'4753658/emb|CAB41934.1| 1.0e-107 (AL049751) putative protein [Arabidopsis thaliana]'		
Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85535	Strand	+
Start	2592	End	3603
Name	OJ990707_12.0309.C33.o2.tm	Method	TBLASTX:Maize
Start	2845	End	3224
GI	none	Score	85
Exons	2845..2943, 2845..2916, 3001..3219, 3002..3220, 3006..3224, 3013..3222		
Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85535	Strand	+
Start	2592	End	3603
Name	OJ990707_12.0309.C33.o1.tc	Method	TBLASTX:Cress
Start	3096	End	3602
GI	none	Score	195
Exons	3096..3284, 3097..3285, 3471..3602		
Seq. No.	41261	Seq. ID	OJ990707_12.0309.C33
Gene No.	85535	Strand	+
Start	2592	End	3603
Name	OJ990707_12.0309.C33.o3.tm	Method	TBLASTX:Maize
Start	3225	End	3602
GI	none	Score	84
Exons	3225..3281, 3226..3285, 3455..3601, 3471..3602		
Seq. No.	41262	Seq. ID	OJ990707_12.0309.C34
Gene No.	85536	Strand	-
Start	1	End	272
Name	OJ990707_12.0309.C34.o1.gp	Method	AAT/GAP
Start	1	End	272
GI	37430_1.R1084	Score	544
Exons	1..272		
GI Descrip.	'4753658/emb|CAB41934.1| 3.0e-13 (AL049751) putative protein [Arabidopsis thaliana]'		
Seq. No.	41262	Seq. ID	OJ990707_12.0309.C34

Gene No.	85537	Strand	-
Start	934	End	1390
Name	OJ990707_12.0309.C34.o2.gp	Method	AAT/GAP
Start	934	End	1390
GI	4970_1.R1084	Score	889
Exons	934..1390		
GI Descrip.	'4928472/gb|AAD33602.1|AF133302_1 2.0e-69 (AF133302) type 2 peroxiredoxin [Brassica rapa subsp. pekinensis]'		

Seq. No.	41262	Seq. ID	OJ990707_12.0309.C34
Gene No.	85537	Strand	-
Start	934	End	1390
Name	OJ990707_12.0309.C34.o1.tw	Method	TBLASTX:Wheat
Start	1042	End	1390
GI	none	Score	47
Exons	1042..1104, 1047..1106, 1100..1390, 1106..1390		

Seq. No.	41262	Seq. ID	OJ990707_12.0309.C34
Gene No.	85537	Strand	-
Start	934	End	1390
Name	OJ990707_12.0309.C34.o1.tm	Method	TBLASTX:Maize
Start	1130	End	1390
GI	none	Score	232
Exons	1130..1390, 1170..1388, 1240..1389		

Seq. No.	41262	Seq. ID	OJ990707_12.0309.C34
Gene No.	85537	Strand	-
Start	934	End	1390
Name	OJ990707_12.0309.C34.o1.tc	Method	TBLASTX:Cress
Start	1142	End	1390
GI	none	Score	174
Exons	1142..1390, 1170..1385, 1184..1387		

Seq. No.	41262	Seq. ID	OJ990707_12.0309.C34
Gene No.	85537	Strand	-
Start	934	End	1390
Name	OJ990707_12.0309.C34.o1.ts	Method	TBLASTX:Soybean
Start	1145	End	1390
GI	none	Score	159
Exons	1145..1390, 1170..1385		

Seq. No.	41263	Seq. ID	OJ990707_12.0309.C35
Gene No.	85538	Strand	-
Start	1	End	396
Name	OJ990707_12.0309.C35.o1.gp	Method	AAT/GAP
Start	1	End	396
GI	none	Score	757
Exons	1..396		

Seq. No.	41263	Seq. ID	OJ990707_12.0309.C35
Gene No.	85539	Strand	-
Start	933	End	1272
Name	OJ990707_12.0309.C35.o2.gp	Method	AAT/GAP
Start	933	End	1272
GI	4970_1.R1084	Score	459
Exons	933..1272		
GI Descrip.	'4928472/gb|AAD33602.1|AF133302_1 2.0e-69 (AF133302) type 2		

peroxiredoxin [Brassica rapa subsp. pekinensis]'

Seq. No.	41264	Seq. ID	OJ990707_12.0309.C36
Gene No.	85540	Strand	
Start	2	End	738
Name	OJ990707_12.0309.C36.o1.tm	Method	TBLASTX:Maize
Start	2	End	738
GI	none	Score	186
Exons	2..157, 3..146, 5..154, 408..449, 467..625, 467..625, 471..626, 718..738		

Seq. No.	41265	Seq. ID	OJ990707_12.0309.C39
Gene No.	85541	Strand	+
Start	78	End	629
Name	OJ990707_12.0309.C39.o1.gp	Method	AAT/GAP
Start	78	End	629
GI	3898_1.R1084	Score	376
Exons	78..122, 202..275, 532..629		
GI Descrip.	'5381319/gb|AAD42941.1|AF091621_1 5.0e-81 (AF091621) ubiquitin-conjugating enzyme E2 [Catharanthus roseus]'		

Seq. No.	41266	Seq. ID	OJ990707_12.0309.C41
Gene No.	85542	Strand	
Start	632	End	1036
Name	OJ990707_12.0309.C41.o1.tm	Method	TBLASTX:Maize
Start	632	End	1036
GI	none	Score	82
Exons	632..745, 635..748, 670..771, 745..1032, 751..1032, 776..1036		

Seq. No.	41267	Seq. ID	OJ990707_12.0309.C43
Gene No.	85543	Strand	-
Start	1074	End	1451
Name	OJ990707_12.0309.C43.o1.ts	Method	TBLASTX:Soybean
Start	13	End	1450
GI	none	Score	116
Exons	13..66, 917..1024, 928..1026, 984..1028, 1021..1176, 1024..1185, 1026..1187, 1257..1373, 1262..1351, 1262..1450, 1263..1373		

Seq. No.	41267	Seq. ID	OJ990707_12.0309.C43
Gene No.	85543	Strand	-
Start	1074	End	1451
Name	OJ990707_12.0309.C43.o1.tc	Method	TBLASTX:Cress
Start	905	End	1163
GI	none	Score	168
Exons	905..1156, 919..1155, 944..1156, 963..1163		

Seq. No.	41267	Seq. ID	OJ990707_12.0309.C43
Gene No.	85543	Strand	-
Start	1074	End	1451
Name	OJ990707_12.0309.C43.o1.gp	Method	AAT/GAP
Start	1074	End	1451
GI	uC-osroM202035f06b1	Score	540
Exons	1074..1185, 1262..1451		
GI Descrip.	'3201625 1.0e-34 (AC004669) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41268	Seq. ID	OJ990707_12.0309.C58

Gene No.	85544	Strand	
Start	1447	End	1835
Name	OJ990707_12.0309.C58.o1.tw	Method	TBLASTX:Wheat
Start	1447	End	1831
GI	none	Score	48
Exons	1447..1566, 1448..1525, 1521..1559, 1561..1650, 1561..1650, 1624..1713, 1629..1718, 1722..1796, 1795..1830, 1796..1831		

Seq. No.	41268	Seq. ID	OJ990707_12.0309.C58
Gene No.	85544	Strand	
Start	1447	End	1835
Name	OJ990707_12.0309.C58.o1.ts	Method	TBLASTX:Soybean
Start	1450	End	1835
GI	none	Score	55
Exons	1450..1566, 1512..1559, 1561..1614, 1632..1718, 1645..1716, 1734..1772, 1734..1796, 1779..1835		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85545	Strand	
Start	67	End	420
Name	OJ990707_12.0309.C59.o1.ts	Method	TBLASTX:Soybean
Start	67	End	420
GI	none	Score	58
Exons	67..420, 74..127, 164..391		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85545	Strand	
Start	67	End	420
Name	OJ990707_12.0309.C59.o4.tw	Method	TBLASTX:Wheat
Start	94	End	388
GI	none	Score	132
Exons	94..387, 104..388		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85546	Strand	
Start	415	End	979
Name	OJ990707_12.0309.C59.o2.tc	Method	TBLASTX:Cress
Start	415	End	719
GI	none	Score	67
Exons	415..582, 464..565, 582..719, 608..676		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85546	Strand	
Start	415	End	979
Name	OJ990707_12.0309.C59.o3.tw	Method	TBLASTX:Wheat
Start	511	End	979
GI	none	Score	50
Exons	511..579, 585..716, 720..791, 783..890, 799..891, 884..961, 885..959, 908..979		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85547	Strand	
Start	993	End	1692
Name	OJ990707_12.0309.C59.o1.tw	Method	TBLASTX:Wheat
Start	993	End	1381
GI	none	Score	126
Exons	993..1220, 994..1248, 1006..1257, 1121..1258, 1253..1381,		

1314..1373

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85547	Strand	
Start	993	End	1692
Name	OJ990707_12.0309.C59.o2.tm	Method	TBLASTX:Maize
Start	1018	End	1555
GI	none	Score	64
Exons	1018..1128, 1153..1254, 1256..1555, 1317..1463		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85547	Strand	
Start	993	End	1692
Name	OJ990707_12.0309.C59.o3.ts	Method	TBLASTX:Soybean
Start	1316	End	1567
GI	none	Score	142
Exons	1316..1522, 1323..1538, 1508..1567		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85547	Strand	
Start	993	End	1692
Name	OJ990707_12.0309.C59.o2.tw	Method	TBLASTX:Wheat
Start	1382	End	1692
GI	none	Score	98
Exons	1382..1594, 1382..1606, 1383..1595, 1615..1692, 1626..1673, 1643..1690		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85548	Strand	
Start	1642	End	2008
Name	OJ990707_12.0309.C59.o3.tm	Method	TBLASTX:Maize
Start	1642	End	1905
GI	none	Score	183
Exons	1642..1905		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85548	Strand	
Start	1642	End	2008
Name	OJ990707_12.0309.C59.o4.ts	Method	TBLASTX:Soybean
Start	1768	End	1902
GI	none	Score	76
Exons	1768..1893, 1768..1902		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85548	Strand	
Start	1642	End	2008
Name	OJ990707_12.0309.C59.o5.tw	Method	TBLASTX:Wheat
Start	1789	End	2008
GI	none	Score	75
Exons	1789..1980, 1948..1995, 1952..2008		

Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85549	Strand	
Start	4124	End	4546
Name	OJ990707_12.0309.C59.o2.ts	Method	TBLASTX:Soybean
Start	4124	End	4540
GI	none	Score	51

Exons	4124..4186, 4190..4300, 4196..4540		
Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85549	Strand	
Start	4124	End	4546
Name	OJ990707_12.0309.C59.o1.tc	Method	TBLASTX:Cress
Start	4184	End	4513
GI	none	Score	238
Exons	4184..4513		
Seq. No.	41269	Seq. ID	OJ990707_12.0309.C59
Gene No.	85549	Strand	
Start	4124	End	4546
Name	OJ990707_12.0309.C59.o1.tm	Method	TBLASTX:Maize
Start	4187	End	4546
GI	none	Score	278
Exons	4187..4546, 4187..4354, 4411..4545		
Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85550	Strand	
Start	479	End	959
Name	OJ990707_12.0309.C60.o3.tw	Method	TBLASTX:Wheat
Start	479	End	913
GI	none	Score	45
Exons	479..763, 564..665, 696..770, 824..913		
Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85550	Strand	
Start	479	End	959
Name	OJ990707_12.0309.C60.o1.ts	Method	TBLASTX:Soybean
Start	536	End	959
GI	none	Score	52
Exons	536..784, 558..659, 699..773, 821..958, 843..959		
Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85551	Strand	
Start	1196	End	2163
Name	OJ990707_12.0309.C60.o2.tw	Method	TBLASTX:Wheat
Start	1196	End	1576
GI	none	Score	64
Exons	1196..1297, 1292..1576, 1376..1522		
Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85551	Strand	
Start	1196	End	2163
Name	OJ990707_12.0309.C60.o1.tm	Method	TBLASTX:Maize
Start	1265	End	1696
GI	none	Score	292
Exons	1265..1696, 1266..1607		
Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85551	Strand	
Start	1196	End	2163
Name	OJ990707_12.0309.C60.o3.ts	Method	TBLASTX:Soybean
Start	1416	End	1653
GI	none	Score	81
Exons	1416..1601, 1421..1651, 1429..1653		

Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85551	Strand	
Start	1196	End	2163
Name	OJ990707_12.0309.C60.o1.tw	Method	TBLASTX:Wheat
Start	1595	End	2001
GI	none	Score	69
Exons	1595..1696, 1597..1680, 1662..1700, 1702..2001, 1706..1996		

Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85551	Strand	
Start	1196	End	2163
Name	OJ990707_12.0309.C60.o2.tm	Method	TBLASTX:Maize
Start	1697	End	1941
GI	none	Score	242
Exons	1697..1936, 1702..1938, 1702..1941		

Seq. No.	41270	Seq. ID	OJ990707_12.0309.C60
Gene No.	85551	Strand	
Start	1196	End	2163
Name	OJ990707_12.0309.C60.o2.ts	Method	TBLASTX:Soybean
Start	1795	End	2163
GI	none	Score	137
Exons	1795..1929, 1945..2163		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o1.tc	Method	TBLASTX:Cress
Start	332	End	554
GI	none	Score	242
Exons	332..466, 333..554, 334..495, 351..545		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o1.tm	Method	TBLASTX:Maize
Start	335	End	800
GI	none	Score	362
Exons	335..466, 336..800, 471..551, 587..697		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o1.ts	Method	TBLASTX:Soybean
Start	335	End	665
GI	5509260	Score	297
Exons	335..457, 336..665		
GI Descrip.	-		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o2.tw	Method	TBLASTX:Wheat
Start	336	End	1088
GI	none	Score	319
Exons	336..680, 353..517, 675..881, 1035..1088		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o2.ts	Method	TBLASTX:Soybean
Start	734	End	1085
GI	none	Score	141
Exons	734..898, 735..893, 893..1081, 894..1082, 903..1085		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o2.tm	Method	TBLASTX:Maize
Start	861	End	1232
GI	none	Score	350
Exons	861..1232, 884..1231		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o1.tw	Method	TBLASTX:Wheat
Start	1089	End	1564
GI	none	Score	97
Exons	1089..1163, 1094..1162, 1178..1564, 1179..1562, 1180..1563		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85552	Strand	
Start	332	End	1564
Name	OJ990707_12.0309.C63.o3.ts	Method	TBLASTX:Soybean
Start	1095	End	1436
GI	none	Score	89
Exons	1095..1208, 1130..1198, 1227..1436, 1232..1357		

Seq. No.	41271	Seq. ID	OJ990707_12.0309.C63
Gene No.	85553	Strand	
Start	1574	End	1897
Name	OJ990707_12.0309.C63.o3.tm	Method	TBLASTX:Maize
Start	1574	End	1897
GI	none	Score	114
Exons	1574..1663, 1575..1664, 1576..1665, 1703..1846, 1709..1798, 1713..1805, 1714..1806, 1853..1897, 1872..1895		

Seq. No.	41272	Seq. ID	OJ990707_12.0309.C66
Gene No.	85554	Strand	-
Start	439	End	908
Name	OJ990707_12.0309.C66.o1.gp	Method	AAT/GAP
Start	439	End	671
GI	61605_1.R1084	Score	363
Exons	439..671		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41272	Seq. ID	OJ990707_12.0309.C66
Gene No.	85554	Strand	-
Start	439	End	908
Name	OJ990707_12.0309.C66.o2.gp	Method	AAT/GAP
Start	439	End	908

GI	4107138	Score	701
Exons	439..908		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	41273	Seq. ID	OJ990707_12.0309.C67
Gene No.	85555	Strand	+
Start	907	End	1191
Name	OJ990707_12.0309.C67.o1.gp	Method	AAT/GAP
Start	907	End	1191
GI	uC-osf1M202075h01b1	Score	550
Exons	907..1191		
GI Descrip.	'3915131/sp|Q42443|THIH_ORYSA 8.0e-13 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]'		

Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o3.tw	Method	TBLASTX:Wheat
Start	4494	End	4862
GI	none	Score	35
Exons	4494..4547, 4529..4861, 4550..4711, 4653..4769, 4754..4834, 4791..4862		

Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o4.tm	Method	TBLASTX:Maize
Start	4508	End	4699
GI	none	Score	192
Exons	4508..4699		

Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o1.tm	Method	TBLASTX:Maize
Start	4709	End	5308
GI	none	Score	243
Exons	4709..5149, 4722..5147, 5147..5308, 5154..5300		

Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o1.tw	Method	TBLASTX:Wheat
Start	4862	End	5488
GI	none	Score	366
Exons	4862..5488, 4863..5486		

Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o2.tm	Method	TBLASTX:Maize
Start	5357	End	5648
GI	none	Score	221

Exons	5357..5647, 5361..5648		
Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o1.ts	Method	TBLASTX:Soybean
Start	5447	End	5707
GI	none	Score	149
Exons	5447..5707, 5448..5702		
Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o1.tc	Method	TBLASTX:Cress
Start	5471	End	5788
GI	none	Score	79
Exons	5471..5614, 5472..5612, 5615..5788		
Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85556	Strand	
Start	4494	End	6027
Name	OJ990707_12.0309.C68.o2.tw	Method	TBLASTX:Wheat
Start	5495	End	6027
GI	none	Score	236
Exons	5495..6022, 5496..5750, 5501..5941, 5824..6027		
Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85557	Strand	
Start	6050	End	6209
Name	OJ990707_12.0309.C68.o3.tm	Method	TBLASTX:Maize
Start	6050	End	6208
GI	none	Score	65
Exons	6050..6208, 6062..6208		
Seq. No.	41274	Seq. ID	OJ990707_12.0309.C68
Gene No.	85557	Strand	
Start	6050	End	6209
Name	OJ990707_12.0309.C68.o4.tw	Method	TBLASTX:Wheat
Start	6062	End	6209
GI	none	Score	93
Exons	6062..6208, 6062..6208, 6144..6209		
Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85558	Strand	
Start	2	End	817
Name	OJ990707_12.0309.C69.o1.ts	Method	TBLASTX:Soybean
Start	2	End	394
GI	none	Score	162
Exons	2..376, 9..263, 314..358, 362..394, 363..392		
Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85558	Strand	
Start	2	End	817
Name	OJ990707_12.0309.C69.o2.tw	Method	TBLASTX:Wheat
Start	2	End	286
GI	none	Score	220
Exons	2..286, 9..266		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85558	Strand	
Start	2	End	817
Name	OJ990707_12.0309.C69.o2.tm	Method	TBLASTX:Maize
Start	5	End	265
GI	none	Score	58
Exons	5..172, 5..265, 12..254		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85558	Strand	
Start	2	End	817
Name	OJ990707_12.0309.C69.o1.tm	Method	TBLASTX:Maize
Start	281	End	748
GI	none	Score	128
Exons	281..748, 315..677		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85558	Strand	
Start	2	End	817
Name	OJ990707_12.0309.C69.o1.tw	Method	TBLASTX:Wheat
Start	335	End	817
GI	none	Score	254
Exons	335..817, 378..713		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85558	Strand	
Start	2	End	817
Name	OJ990707_12.0309.C69.o2.ts	Method	TBLASTX:Soybean
Start	463	End	781
GI	none	Score	63
Exons	463..639, 467..781, 468..665		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85559	Strand	
Start	979	End	1398
Name	OJ990707_12.0309.C69.o3.tw	Method	TBLASTX:Wheat
Start	979	End	1395
GI	none	Score	105
Exons	979..1164, 980..1135, 980..1186, 1186..1395, 1247..1345		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85559	Strand	
Start	979	End	1398
Name	OJ990707_12.0309.C69.o3.tm	Method	TBLASTX:Maize
Start	1078	End	1398
GI	none	Score	66
Exons	1078..1398, 1253..1345		

Seq. No.	41275	Seq. ID	OJ990707_12.0309.C69
Gene No.	85560	Strand	
Start	1913	End	2288
Name	OJ990707_12.0309.C69.o4.tw	Method	TBLASTX:Wheat
Start	1913	End	2288
GI	none	Score	41
Exons	1913..1960, 1914..1961, 1960..2271, 1967..2146, 2171..2275, 2172..2288		

Seq. No.	41276	Seq. ID	OJ990707_12.0309.C70
Gene No.	85561	Strand	+
Start	1734	End	2006
Name	OJ990707_12.0309.C70.o1.gp	Method	AAT/GAP
Start	1734	End	2006
GI	61605_1.R1084	Score	430
Exons	1734..2006		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41277	Seq. ID	OJ990707_12.0309.C73
Gene No.	85562	Strand	-
Start	226	End	713
Name	OJ990707_12.0309.C73.o1.gp	Method	AAT/GAP
Start	226	End	713
GI	uC-osflcyp162a07a1	Score	683
Exons	226..458, 558..713		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	41277	Seq. ID	OJ990707_12.0309.C73
Gene No.	85562	Strand	-
Start	226	End	713
Name	OJ990707_12.0309.C73.o1.tw	Method	TBLASTX:Wheat
Start	299	End	646
GI	none	Score	279
Exons	299..646, 307..477, 514..645		

Seq. No.	41278	Seq. ID	OJ990707_12.0309.C87
Gene No.	85563	Strand	-
Start	978	End	1179
Name	OJ990707_12.0309.C87.o1.gp	Method	AAT/GAP
Start	978	End	1179
GI	10346_1.R1084	Score	352
Exons	978..1179		
GI Descrip.	'3128218 2.0e-48 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	41279	Seq. ID	OJ990707_12.0309.C88
Gene No.	85564	Strand	-
Start	629	End	1638
Name	OJ990707_12.0309.C88.o1.tc	Method	TBLASTX:Cress
Start	1	End	1575
GI	none	Score	152
Exons	1..201, 29..202, 919..1035, 920..1036, 924..1025, 1353..1511, 1441..1497, 1494..1574, 1495..1575		

Seq. No.	41279	Seq. ID	OJ990707_12.0309.C88
Gene No.	85564	Strand	-
Start	629	End	1638
Name	OJ990707_12.0309.C88.o1.tm	Method	TBLASTX:Maize
Start	1	End	1638
GI	none	Score	269
Exons	1..201, 2..202, 913..1026, 920..1036, 922..1026, 924..1034, 1425..1628, 1434..1598, 1438..1638, 1438..1608		

Seq. No.	41279	Seq. ID	OJ990707_12.0309.C88
Gene No.	85564	Strand	-
Start	629	End	1638
Name	OJ990707_12.0309.C88.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1012
GI	none	Score	168
Exons	2..202, 7..198, 922..1005, 923..1006, 923..1012, 924..1010		

Seq. No.	41279	Seq. ID	OJ990707_12.0309.C88
Gene No.	85564	Strand	-
Start	629	End	1638
Name	OJ990707_12.0309.C88.o1.gp	Method	AAT/GAP
Start	629	End	1099
GI	uC-osflm202113a05b1	Score	808
Exons	629..1099		
GI Descrip.	'3128218 7.0e-12 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	41280	Seq. ID	OJ990707_12.0309.C89
Gene No.	85565	Strand	-
Start	523	End	1268
Name	OJ990707_12.0309.C89.o1.gp	Method	AAT/GAP
Start	523	End	1268
GI	LIB3433-035-P1-K1-D2	Score	172
Exons	523..611, 1229..1268		
GI Descrip.	'3128218 2.0e-58 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	41280	Seq. ID	OJ990707_12.0309.C89
Gene No.	85566	Strand	-
Start	2119	End	2425
Name	OJ990707_12.0309.C89.o1.ts	Method	TBLASTX:Soybean
Start	524	End	2425
GI	none	Score	133
Exons	524..613, 525..614, 526..612, 1228..1293, 1229..1297, 1230..1304, 2059..2226, 2096..2224, 2112..2252, 2114..2227, 2308..2370, 2319..2372, 2330..2425, 2335..2424		

Seq. No.	41280	Seq. ID	OJ990707_12.0309.C89
Gene No.	85566	Strand	-
Start	2119	End	2425
Name	OJ990707_12.0309.C89.o1.tm	Method	TBLASTX:Maize
Start	525	End	2373
GI	none	Score	132
Exons	525..614, 526..612, 527..613, 1229..1297, 1230..1304, 2112..2225, 2112..2222, 2114..2224, 2319..2372, 2320..2373		

Seq. No.	41280	Seq. ID	OJ990707_12.0309.C89
Gene No.	85566	Strand	-
Start	2119	End	2425
Name	OJ990707_12.0309.C89.o2.gp	Method	AAT/GAP
Start	2119	End	2384
GI	50029_1.R1084	Score	220
Exons	2119..2222, 2320..2384		
GI Descrip.	'3128218 1.0e-09 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	41281	Seq. ID	OJ990727_03.0321.C3
Gene No.	85567	Strand	+
Start	1645	End	1998
Name	OJ990727_03.0321.C3.o1.gs	Method	GENSCAN
Start	1645	End	1998
GI	none	Score	.7
Exons	1645..1998		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85568	Strand	+
Start	13034	End	21939
Name	OJ990727_03.0321.C4.o2.np	Method	AAT/NAP
Start	13034	End	21939
GI	6358808	Score	1926
Exons	13034..13193, 14617..14834, 20509..21939		
GI Descrip.	(AC010675) nitrate transporter (NTL1) [Arabidopsis thaliana]		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85569	Strand	+
Start	23605	End	24753
Name	OJ990727_03.0321.C4.o3.np	Method	AAT/NAP
Start	23605	End	24753
GI	7523517	Score	229
Exons	23605..23916, 24067..24111, 24705..24753		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85570	Strand	-
Start	5777	End	25290
Name	OJ990727_03.0321.C4.o1.np	Method	AAT/NAP
Start	5777	End	9581
GI	6721547	Score	92
Exons	5777..5862, 9489..9581		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85570	Strand	-
Start	5777	End	25290
Name	OJ990727_03.0321.C4.o2.gs	Method	GENSCAN
Start	7572	End	25290
GI	none	Score	.6
Exons	7572..7618, 12952..13261, 13347..13480, 13567..13702, 13909..14250, 14676..14831, 16414..16545, 17238..17385, 17541..17602, 19262..19330, 19933..20033, 20055..20285, 20472..21896, 23606..23751, 24002..24113, 24170..24285, 25220..25290		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85570	Strand	-
Start	5777	End	25290
Name	OJ990727_03.0321.C4.o1.gp	Method	AAT/GAP
Start	18899	End	18966
GI	LIB3477-003-P1-K1-E9	Score	75
Exons	18899..18966		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85570	Strand	-
Start	5777	End	25290
Name	OJ990727_03.0321.C4.o2.gp	Method	AAT/GAP
Start	21592	End	22224
GI	4715500	Score	1068
Exons	21592..22224		
GI Descrip.	3377517/gb|AAC28086.1| 2.0e-25 (AF073361) nitrate transporter NTL1 [Arabidopsis thaliana]		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85571	Strand	-
Start	32062	End	32831
Name	OJ990727_03.0321.C4.o1.tc	Method	TBLASTX:Cress
Start	13087	End	21938
GI	none	Score	137
Exons	13087..13191, 13112..13192, 14615..14728, 14616..14834, 20499..20570, 20509..20565, 20586..20939, 20587..20940, 21118..21930, 21138..21938		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85571	Strand	-
Start	32062	End	32831
Name	OJ990727_03.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	20524	End	21927
GI	none	Score	46
Exons	20524..20565, 20578..20760, 20628..20723, 20794..20940, 20799..20933, 21180..21665, 21181..21807, 21814..21927		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85571	Strand	-
Start	32062	End	32831
Name	OJ990727_03.0321.C4.o1.ts	Method	TBLASTX:Soybean
Start	20586	End	20940
GI	none	Score	498
Exons	20586..20939, 20587..20940		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85571	Strand	-
Start	32062	End	32831
Name	OJ990727_03.0321.C4.o3.ts	Method	TBLASTX:Soybean
Start	21181	End	21542
GI	none	Score	259
Exons	21181..21492, 21276..21542		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85571	Strand	-
Start	32062	End	32831
Name	OJ990727_03.0321.C4.o2.ts	Method	TBLASTX:Soybean
Start	21631	End	21935
GI	none	Score	363
Exons	21631..21930, 21633..21935		

Seq. No.	41282	Seq. ID	OJ990727_03.0321.C4
Gene No.	85571	Strand	-
Start	32062	End	32831

Name	OJ990727_03.0321.C4.o5.gs	Method	GENSCAN
Start	32062	End	32831
GI	none	Score	.76
Exons	32062..32186, 32577..32692, 32737..32831		

Seq. No.	41283	Seq. ID	OJ990727_03.0321.C5
Gene No.	85572	Strand	+
Start	240	End	1213
Name	OJ990727_03.0321.C5.o1.gs	Method	GENSCAN
Start	240	End	1213
GI	none	Score	.55
Exons	240..824, 1088..1213		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85573	Strand	+
Start	3649	End	3853
Name	OJ990727_03.0321.C6.o2.np	Method	AAT/NAP
Start	3649	End	3853
GI	4680186	Score	199
Exons	3649..3853		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85574	Strand	-
Start	1	End	3946
Name	OJ990727_03.0321.C6.o1.np	Method	AAT/NAP
Start	1	End	3946
GI	7248394	Score	1080
Exons	1..55, 969..2031, 3897..3946		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85574	Strand	-
Start	1	End	3946
Name	OJ990727_03.0321.C6.o1.gp	Method	AAT/GAP
Start	3397	End	3782
GI	uC-osf1cyp033a04b1	Score	665
Exons	3397..3782		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o2.ts	Method	TBLASTX:Soybean
Start	47	End	328
GI	none	Score	59
Exons	47..328, 48..191		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o3.tm	Method	TBLASTX:Maize

Start	101	End	457
GI	none	Score	211
Exons	101..457		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	698	End	1108
GI	none	Score	78
Exons	698..850, 863..949, 865..948, 956..1108, 970..1107		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o3.ts	Method	TBLASTX:Soybean
Start	1257	End	1719
GI	none	Score	84
Exons	1257..1445, 1294..1401, 1446..1622, 1526..1690, 1528..1692, 1594..1719		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	1416	End	1875
GI	none	Score	75
Exons	1416..1631, 1417..1557, 1594..1875, 1594..1875		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	1744	End	2068
GI	none	Score	151
Exons	1744..2064, 1744..2067, 1787..2068		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	1876	End	2068
GI	none	Score	116
Exons	1876..2067, 1877..2068, 1892..2068		

Seq. No.	41284	Seq. ID	OJ990727_03.0321.C6
Gene No.	85575	Strand	-
Start	4250	End	6153
Name	OJ990727_03.0321.C6.o3.np	Method	AAT/NAP
Start	4250	End	6153
GI	6907087	Score	1042
Exons	4250..4351, 4891..5589, 5777..6153		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41285	Seq. ID	OJ990727_03.0321.C7

Gene No.	85576	Strand	-
Start	485	End	1407
Name	OJ990727_03.0321.C7.o1.np	Method	AAT/NAP
Start	485	End	1407
GI	7248394	Score	680
Exons	485..1407		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	41285	Seq. ID	OJ990727_03.0321.C7
Gene No.	85576	Strand	-
Start	485	End	1407
Name	OJ990727_03.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	925	End	1263
GI	none	Score	200
Exons	925..1263		

Seq. No.	41286	Seq. ID	OJ990727_03.0321.C8
Gene No.	85577	Strand	-
Start	99	End	1934
Name	OJ990727_03.0321.C8.o1.gs	Method	GENSCAN
Start	99	End	1791
GI	none	Score	.76
Exons	99..693, 752..1081, 1187..1269, 1472..1791		

Seq. No.	41286	Seq. ID	OJ990727_03.0321.C8
Gene No.	85577	Strand	-
Start	99	End	1934
Name	OJ990727_03.0321.C8.o2.np	Method	AAT/NAP
Start	1220	End	1934
GI	7248393	Score	366
Exons	1220..1509, 1572..1934		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41286	Seq. ID	OJ990727_03.0321.C8
Gene No.	85578	Strand	-
Start	1987	End	2384
Name	OJ990727_03.0321.C8.o3.np	Method	AAT/NAP
Start	1987	End	2384
GI	7340868	Score	49
Exons	1987..2105, 2337..2384		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41287	Seq. ID	OJ990727_03.0321.C9
Gene No.	85579	Strand	+
Start	76	End	3868
Name	OJ990727_03.0321.C9.o1.gs	Method	GENSCAN
Start	76	End	3868
GI	none	Score	.6
Exons	76..127, 603..736, 871..957, 973..1396, 1592..1818, 1830..2137, 2182..2500, 2584..2700, 2721..3149, 3225..3386, 3630..3727, 3741..3868		

Seq. No.	41288	Seq. ID	OJ990727_03.0321.C13

Gene No.	85580	Strand	+
Start	1	End	2563
Name	OJ990727_03.0321.C13.o1.np	Method	AAT/NAP
Start	1	End	2563
GI	7106528	Score	79
Exons	1..22, 2434..2563		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41288	Seq. ID	OJ990727_03.0321.C13
Gene No.	85580	Strand	+
Start	1	End	2563
Name	OJ990727_03.0321.C13.o1.gs	Method	GENSCAN
Start	550	End	587
GI	none	Score	.53
Exons	550..587		

Seq. No.	41289	Seq. ID	OJ990727_03.0321.C14
Gene No.	85581	Strand	+
Start	3938	End	9381
Name	OJ990727_03.0321.C14.o1.np	Method	AAT/NAP
Start	3938	End	5999
GI	2505868	Score	80
Exons	3938..3964, 5338..5446, 5943..5999		
GI Descrip.	(Y12227) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41289	Seq. ID	OJ990727_03.0321.C14
Gene No.	85581	Strand	+
Start	3938	End	9381
Name	OJ990727_03.0321.C14.o1.gp	Method	AAT/GAP
Start	5190	End	7082
GI	12131_1.R1084	Score	814
Exons	5190..5446, 5943..5994, 6811..6884, 7000..7082		
GI Descrip.	'2505868/emb|CAA72906| 2.0e-21 (Y12227) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41289	Seq. ID	OJ990727_03.0321.C14
Gene No.	85581	Strand	+
Start	3938	End	9381
Name	OJ990727_03.0321.C14.o2.np	Method	AAT/NAP
Start	6492	End	9381
GI	2065019	Score	179
Exons	6492..6530, 6807..6884, 7000..7101, 7600..7743, 8652..8703, 9307..9381		
GI Descrip.	(Y09823) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41289	Seq. ID	OJ990727_03.0321.C14
Gene No.	85581	Strand	+
Start	3938	End	9381
Name	OJ990727_03.0321.C14.o2.gp	Method	AAT/GAP
Start	7596	End	9381
GI	2289_1.R1084	Score	474
Exons	7596..7743, 8652..8703, 9307..9381		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	41289	Seq. ID	OJ990727_03.0321.C14

Gene No.	85582	Strand	-
Start	3452	End	9380
Name	OJ990727_03.0321.C14.o1.gs	Method	GENSCAN
Start	3452	End	5489
GI	none	Score	.57
Exons	3452..3548, 3656..3792, 4142..4258, 4574..4701, 4898..5489		

Seq. No.	41289	Seq. ID	OJ990727_03.0321.C14
Gene No.	85582	Strand	-
Start	3452	End	9380
Name	OJ990727_03.0321.C14.o1.tm	Method	TBLASTX:Maize
Start	5307	End	9380
GI	none	Score	156
Exons	5307..5453, 5308..5448, 5349..5447, 5375..5449, 5935..5997, 5942..5995, 5944..5994, 6805..6882, 6805..6882, 6811..6882, 6812..6901, 6813..6884, 6956..7096, 6998..7069, 6998..7057, 7589..7783, 7592..7750, 7634..7786, 8652..8705, 8653..8703, 8653..8703, 8653..8706, 9292..9378, 9292..9378, 9305..9379, 9306..9380, 9306..9380		

Seq. No.	41290	Seq. ID	OJ990727_03.0321.C15
Gene No.	85583	Strand	+
Start	972	End	1071
Name	OJ990727_03.0321.C15.o1.gs	Method	GENSCAN
Start	972	End	1071
GI	none	Score	.45
Exons	972..1071		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85584	Strand	-
Start	2642	End	4460
Name	OJ990727_03.0321.C16.o1.gs	Method	GENSCAN
Start	2642	End	4460
GI	none	Score	.65
Exons	2642..2815, 2852..2946, 3394..3611, 3629..3842, 3926..4460		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o1.gp	Method	AAT/GAP
Start	4856	End	5265
GI	LIB3432-012-P1-K1-B6	Score	776
Exons	4856..5265		
GI Descrip.	'2130082/pir||A57676 1.0e-13 protein kinase Xa21 (EC 2.7.1.-) - rice >gi_1122443 (U37133) receptor kinase-like protein [Oryza sativa] >gi_2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] >gi_1586408_prf__2203451A receptor kinase-like protein [Oryza sativa]'		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o1.np	Method	AAT/NAP
Start	4859	End	8333
GI	2130082	Score	1773
Exons	4859..5274, 5441..7585, 7940..8333		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133)		

receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o1.tc	Method	TBLASTX:Cress
Start	4934	End	8276
GI	none	Score	67
Exons	4934..5017, 5168..5275, 5520..5678, 5530..5667, 6231..6341, 6240..6623, 6285..6617, 6285..6617, 6285..6617, 6288..6617, 6288..6557, 6291..6632, 6291..6617, 6291..6617, 6291..6623, 6291..6560, 6291..6617, 6294..6617, 6301..6618, 6424..6618, 6507..6572, 6621..6809, 6627..6809, 6646..6894, 6873..6995, 6981..7064, 6999..7058, 7110..7292, 7161..7292, 7164..7268, 7269..7376, 7296..7592, 7299..8138, 7302..7583, 7302..7583, 7308..7598, 7311..7598, 7314..7592, 7521..8210, 7590..7934, 7596..8222, 7596..8075, 7596..8219, 7597..7773, 7668..8219, 7671..8225, 7741..8043, 7761..8225, 7947..8210, 8079..8189, 8241..8276		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o3.tm	Method	TBLASTX:Maize
Start	4940	End	5302
GI	none	Score	99
Exons	4940..5020, 5093..5302, 5102..5275, 5118..5300		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o1.ts	Method	TBLASTX:Soybean
Start	5138	End	8222
GI	none	Score	76
Exons	5138..5275, 5520..5690, 5524..5688, 5724..5792, 5805..5870, 6231..6611, 6276..6617, 6285..6632, 6285..6617, 6285..6617, 6291..6812, 6291..6731, 6333..6617, 6360..6617, 6436..6645, 6624..6815, 6627..6815, 6627..6815, 6645..6812, 6649..6843, 6654..6815, 6778..6897, 6870..7067, 6870..6989, 7110..7172, 7164..7565, 7164..7388, 7164..7286, 7164..7259, 7257..7607, 7275..7592, 7299..7430, 7299..7589, 7302..7565, 7312..7479, 7383..7598, 7479..7598, 7545..8210, 7587..8222, 7593..7793, 7596..8186, 7596..8123, 7596..8039, 7597..7824, 7668..8075, 7729..8010, 7948..8121, 7950..8219		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o1.tm	Method	TBLASTX:Maize
Start	5448	End	5897
GI	none	Score	257
Exons	5448..5897, 5455..5892		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16

Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o2.tc	Method	TBLASTX:Cress
Start	5694	End	6032
GI	none	Score	140
Exons	5694..6032, 5701..6027		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o2.tm	Method	TBLASTX:Maize
Start	6285	End	8222
GI	none	Score	80
Exons	6285..6617, 6288..6617, 6291..6488, 6345..6617, 6445..6615, 6498..6611, 6627..6809, 6645..6809, 6721..6897, 6796..6984, 6867..6989, 6867..6974, 6867..6971, 6870..6995, 6870..6992, 7158..7259, 7299..7583, 7302..8066, 7312..7551, 7594..7695, 7597..7764, 7659..8138, 7669..8040, 7728..8222, 7735..7995, 7866..8132, 7956..8222, 8013..8210		

Seq. No.	41291	Seq. ID	OJ990727_03.0321.C16
Gene No.	85585	Strand	-
Start	4856	End	8333
Name	OJ990727_03.0321.C16.o1.tw	Method	TBLASTX:Wheat
Start	6627	End	8006
GI	none	Score	140
Exons	6627..6716, 6886..7071, 6888..7070, 6907..7071, 7071..7157, 7076..7165, 7078..7161, 7185..7376, 7443..7535, 7902..8006		

Seq. No.	41292	Seq. ID	OJ990727_03.0321.C17
Gene No.	85586	Strand	+
Start	308	End	10574
Name	OJ990727_03.0321.C17.o1.gs	Method	GENSCAN
Start	308	End	10574
GI	none	Score	.45
Exons	308..353, 541..595, 2998..3204, 4648..4804, 7204..7345, 7671..7704, 8466..8541, 8818..8867, 9485..9544, 10549..10574		

Seq. No.	41293	Seq. ID	OJ990727_03.0321.C18
Gene No.	85587	Strand	+
Start	1013	End	1345
Name	OJ990727_03.0321.C18.o1.gs	Method	GENSCAN
Start	1013	End	1345
GI	none	Score	.63
Exons	1013..1127, 1266..1345		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85588	Strand	+
Start	311	End	4860
Name	OJ990727_03.0321.C19.o1.np	Method	AAT/NAP
Start	311	End	4860
GI	7340884	Score	154
Exons	311..448, 4711..4860		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19

Gene No.	85588	Strand	+
Start	311	End	4860
Name	OJ990727_03.0321.C19.o1.gs	Method	GENSCAN
Start	667	End	1146
GI	none	Score	.98
Exons	667..749, 1098..1146		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85588	Strand	+
Start	311	End	4860
Name	OJ990727_03.0321.C19.o2.np	Method	AAT/NAP
Start	1945	End	3186
GI	6721543	Score	100
Exons	1945..2071, 3126..3186		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o2.gs	Method	GENSCAN
Start	1875	End	4218
GI	none	Score	.67
Exons	1875..1944, 2618..2744, 2895..3097, 3102..3149, 3213..3344, 3435..3472, 3538..3720, 3813..4071, 4148..4218		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o1.gp	Method	AAT/GAP
Start	2306	End	2759
GI	LIB3431-045-P1-N1-A10	Score	888
Exons	2306..2759		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o3.np	Method	AAT/NAP
Start	2560	End	4860
GI	7228442	Score	251
Exons	2560..2744, 4717..4860		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o4.np	Method	AAT/NAP
Start	2863	End	4253
GI	5441880	Score	1222
Exons	2863..3097, 3213..3344, 3435..3458, 3495..3568, 3813..4071, 4148..4253		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o5.np	Method	AAT/NAP
Start	3638	End	4860
GI	6721543	Score	86
Exons	3638..3680, 4751..4860		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o2.gp	Method	AAT/GAP
Start	3821	End	4253
GI	LIB3475-007-P1-K1-G8	Score	641
Exons	3821..4071, 4148..4253		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	41294	Seq. ID	OJ990727_03.0321.C19
Gene No.	85589	Strand	-
Start	1875	End	4860
Name	OJ990727_03.0321.C19.o3.gp	Method	AAT/GAP
Start	4717	End	4860
GI	7406_1.R1084	Score	223
Exons	4717..4860		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41295	Seq. ID	OJ990727_03.0321.C20
Gene No.	85590	Strand	+
Start	2847	End	5892
Name	OJ990727_03.0321.C20.o2.gs	Method	GENSCAN
Start	2847	End	5892
GI	none	Score	.67
Exons	2847..3196, 3801..3904, 5825..5892		

Seq. No.	41296	Seq. ID	OJ990727_03.0321.C22
Gene No.	85591	Strand	+
Start	113	End	1199
Name	OJ990727_03.0321.C22.o1.gs	Method	GENSCAN
Start	113	End	1199
GI	none	Score	.51
Exons	113..166, 1110..1199		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-
Start	114	End	2856
Name	OJ990727_03.0321.C23.o2.tm	Method	TBLASTX:Maize
Start	1	End	260
GI	none	Score	173
Exons	1..162, 3..158, 218..250, 219..260		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-

Start	114	End	2856
Name	OJ990727_03.0321.C23.o1.np	Method	AAT/NAP
Start	114	End	2856
GI	6815097	Score	2315
Exons	114..827, 967..2624, 2739..2856		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-
Start	114	End	2856
Name	OJ990727_03.0321.C23.o2.ts	Method	TBLASTX:Soybean
Start	260	End	622
GI	none	Score	188
Exons	260..622		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-
Start	114	End	2856
Name	OJ990727_03.0321.C23.o1.tm	Method	TBLASTX:Maize
Start	281	End	604
GI	none	Score	60
Exons	281..436, 281..604, 282..593		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-
Start	114	End	2856
Name	OJ990727_03.0321.C23.o3.tm	Method	TBLASTX:Maize
Start	936	End	1346
GI	none	Score	141
Exons	936..1073, 1113..1346		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-
Start	114	End	2856
Name	OJ990727_03.0321.C23.o1.ts	Method	TBLASTX:Soybean
Start	994	End	1439
GI	5509260	Score	82
Exons	994..1074, 1002..1073, 1101..1187, 1233..1436, 1254..1439		
GI Descrip.	-		

Seq. No.	41297	Seq. ID	OJ990727_03.0321.C23
Gene No.	85592	Strand	-
Start	114	End	2856
Name	OJ990727_03.0321.C23.o1.tw	Method	TBLASTX:Wheat
Start	1008	End	1384
GI	none	Score	45
Exons	1008..1073, 1105..1188, 1107..1358, 1233..1352, 1268..1384		

Seq. No.	41298	Seq. ID	OJ990727_03.0321.C24
Gene No.	85593	Strand	-
Start	1	End	1713
Name	OJ990727_03.0321.C24.o1.np	Method	AAT/NAP
Start	1	End	1665
GI	6815097	Score	505
Exons	1..429, 765..1665		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248)		

[Oryza sativa]

Seq. No.	41298	Seq. ID	OJ990727_03.0321.C24
Gene No.	85593	Strand	-
Start	1	End	1713
Name	OJ990727_03.0321.C24.o1.gs	Method	GENSCAN
Start	809	End	1713
GI	none	Score	.46
Exons	809..1239, 1674..1713		

Seq. No.	41299	Seq. ID	OJ990727_03.0321.C25
Gene No.	85594	Strand	+
Start	360	End	4949
Name	OJ990727_03.0321.C25.o1.gs	Method	GENSCAN
Start	360	End	4911
GI	none	Score	.83
Exons	360..431, 490..606, 3245..4168, 4387..4543, 4795..4911		

Seq. No.	41299	Seq. ID	OJ990727_03.0321.C25
Gene No.	85594	Strand	+
Start	360	End	4949
Name	OJ990727_03.0321.C25.o1.np	Method	AAT/NAP
Start	3284	End	4177
GI	5902448	Score	1608
Exons	3284..4177		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	41299	Seq. ID	OJ990727_03.0321.C25
Gene No.	85594	Strand	+
Start	360	End	4949
Name	OJ990727_03.0321.C25.o1.tw	Method	TBLASTX:Wheat
Start	3404	End	3694
GI	none	Score	217
Exons	3404..3694		

Seq. No.	41299	Seq. ID	OJ990727_03.0321.C25
Gene No.	85594	Strand	+
Start	360	End	4949
Name	OJ990727_03.0321.C25.o2.np	Method	AAT/NAP
Start	4267	End	4949
GI	5902447	Score	1119
Exons	4267..4949		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85595	Strand	+
Start	1	End	1139
Name	OJ990727_03.0321.C26.o1.np	Method	AAT/NAP
Start	1	End	1136
GI	6691716	Score	863
Exons	1..176, 252..363, 514..618, 691..1136		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85595	Strand	+

Start	1	End	1139
Name	OJ990727_03.0321.C26.o1.gs	Method	GENSCAN
Start	246	End	1139
GI	none	Score	.99
Exons	246..441, 514..618, 691..1139		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85596	Strand	-
Start	1455	End	2686
Name	OJ990727_03.0321.C26.o2.gs	Method	GENSCAN
Start	1455	End	2288
GI	none	Score	.97
Exons	1455..2288		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85596	Strand	-
Start	1455	End	2686
Name	OJ990727_03.0321.C26.o2.np	Method	AAT/NAP
Start	1458	End	2686
GI	5902445	Score	1705
Exons	1458..2686		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85596	Strand	-
Start	1455	End	2686
Name	OJ990727_03.0321.C26.o1.tw	Method	TBLASTX:Wheat
Start	1467	End	2081
GI	none	Score	75
Exons	1467..1604, 1590..1748, 1803..2081, 1819..1926, 1972..2061		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85596	Strand	-
Start	1455	End	2686
Name	OJ990727_03.0321.C26.o2.tm	Method	TBLASTX:Maize
Start	1504	End	1739
GI	none	Score	104
Exons	1504..1608, 1506..1607, 1587..1739		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85596	Strand	-
Start	1455	End	2686
Name	OJ990727_03.0321.C26.o1.tm	Method	TBLASTX:Maize
Start	2050	End	2433
GI	none	Score	89
Exons	2050..2193, 2052..2165, 2160..2426, 2176..2433		

Seq. No.	41300	Seq. ID	OJ990727_03.0321.C26
Gene No.	85596	Strand	-
Start	1455	End	2686
Name	OJ990727_03.0321.C26.o2.tw	Method	TBLASTX:Wheat
Start	2088	End	2445
GI	none	Score	226
Exons	2088..2444, 2089..2445		

Seq. No.	41301	Seq. ID	OJ990727_03.0321.C27
Gene No.	85597	Strand	+

Start	317	End	394
Name	OJ990727_03.0321.C27.o1.gs	Method	GENSCAN
Start	317	End	394
GI	none	Score	.87
Exons	317..394		

Seq. No.	41301	Seq. ID	OJ990727_03.0321.C27
Gene No.	85598	Strand	+
Start	443	End	695
Name	OJ990727_03.0321.C27.o1.gp	Method	AAT/GAP
Start	443	End	695
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	443..544, 672..695		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41302	Seq. ID	OJ990607_01.0303.C3
Gene No.	85599	Strand	
Start	197	End	579
Name	OJ990607_01.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	197	End	579
GI	none	Score	66
Exons	197..262, 198..263, 311..490, 334..483, 480..578, 481..579		

Seq. No.	41302	Seq. ID	OJ990607_01.0303.C3
Gene No.	85599	Strand	
Start	197	End	579
Name	OJ990607_01.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	388	End	579
GI	none	Score	108
Exons	388..474, 389..475, 471..578, 484..579		

Seq. No.	41303	Seq. ID	OJ990607_01.0303.C5
Gene No.	85600	Strand	
Start	638	End	769
Name	OJ990607_01.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	638	End	769
GI	none	Score	173
Exons	638..769, 639..764, 640..765		

Seq. No.	41304	Seq. ID	OJ990607_01.0303.C6
Gene No.	85601	Strand	
Start	896	End	1567
Name	OJ990607_01.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	896	End	1297
GI	none	Score	120
Exons	896..1027, 896..1027, 1039..1101, 1040..1297, 1067..1297		

Seq. No.	41304	Seq. ID	OJ990607_01.0303.C6
Gene No.	85601	Strand	
Start	896	End	1567
Name	OJ990607_01.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	1067	End	1489
GI	none	Score	101
Exons	1067..1291, 1158..1292, 1325..1489		

Seq. No.	41304	Seq. ID	OJ990607_01.0303.C6
Gene No.	85601	Strand	
Start	896	End	1567
Name	OJ990607_01.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	1136	End	1567
GI	none	Score	107
Exons	1136..1183, 1187..1297, 1328..1417, 1421..1552, 1424..1567		

Seq. No.	41305	Seq. ID	OJ990607_01.0303.C8
Gene No.	85602	Strand	+
Start	1	End	663
Name	OJ990607_01.0303.C8.o1.gp	Method	AAT/GAP
Start	1	End	663
GI	426199	Score	419
Exons	1..127, 559..663		
GI Descrip.	1001263/dbj|BAA10507| 2.0e-11 (D64003) hypothetical protein [Synechocystis sp.]		

Seq. No.	41306	Seq. ID	OJ990607_01.0303.C17
Gene No.	85603	Strand	+
Start	1144	End	1606
Name	OJ990607_01.0303.C17.o1.gp	Method	AAT/GAP
Start	1144	End	1606
GI	52613_1.R1084	Score	864
Exons	1144..1606		
GI Descrip.	'1001263/dbj|BAA10507| 2.0e-11 (D64003) hypothetical protein [Synechocystis sp.]'		

Seq. No.	41306	Seq. ID	OJ990607_01.0303.C17
Gene No.	85603	Strand	+
Start	1144	End	1606
Name	OJ990607_01.0303.C17.o1.tc	Method	TBLASTX:Cress
Start	1280	End	1603
GI	none	Score	458
Exons	1280..1603, 1291..1602		

Seq. No.	41306	Seq. ID	OJ990607_01.0303.C17
Gene No.	85603	Strand	+
Start	1144	End	1606
Name	OJ990607_01.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	1280	End	1597
GI	none	Score	424
Exons	1280..1597, 1291..1596		

Seq. No.	41306	Seq. ID	OJ990607_01.0303.C17
Gene No.	85603	Strand	+
Start	1144	End	1606
Name	OJ990607_01.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	1283	End	1600
GI	none	Score	455
Exons	1283..1600, 1291..1596		

Seq. No.	41306	Seq. ID	OJ990607_01.0303.C17
Gene No.	85603	Strand	+
Start	1144	End	1606
Name	OJ990607_01.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	1283	End	1603

GI	4291127	Score	444
Exons	1283..1603, 1291..1602		
GI Descrip.	1854443/dbj_BAA12160_ 1.0e-54 (D83970) CPRD8 protein [Vigna unguiculata]		

Seq. No.	41307	Seq. ID	OJ990607_01.0303.C21
Gene No.	85604	Strand	+
Start	2006	End	2775
Name	OJ990607_01.0303.C21.o1.tc	Method	TBLASTX:Cress
Start	1332	End	2527
GI	none	Score	468
Exons	1332..1685, 1334..1684, 1769..1837, 1784..1840, 1853..2209, 1864..2178, 2213..2527, 2290..2355, 2297..2524		

Seq. No.	41307	Seq. ID	OJ990607_01.0303.C21
Gene No.	85604	Strand	+
Start	2006	End	2775
Name	OJ990607_01.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	1358	End	2554
GI	none	Score	434
Exons	1358..1675, 1359..1676, 1784..1837, 1789..1836, 1856..2209, 1859..1966, 1864..2205, 2189..2248, 2213..2554, 2279..2530		

Seq. No.	41307	Seq. ID	OJ990607_01.0303.C21
Gene No.	85604	Strand	+
Start	2006	End	2775
Name	OJ990607_01.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	1361	End	1825
GI	none	Score	418
Exons	1361..1678, 1362..1679, 1781..1825		

Seq. No.	41307	Seq. ID	OJ990607_01.0303.C21
Gene No.	85604	Strand	+
Start	2006	End	2775
Name	OJ990607_01.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	1364	End	2536
GI	none	Score	447
Exons	1364..1678, 1365..1682, 1769..1837, 1783..1824, 1856..2206, 1864..2199, 2189..2536, 2205..2501, 2213..2533		

Seq. No.	41307	Seq. ID	OJ990607_01.0303.C21
Gene No.	85604	Strand	+
Start	2006	End	2775
Name	OJ990607_01.0303.C21.o1.gp	Method	AAT/GAP
Start	2006	End	2775
GI	16410_2.R1084	Score	970
Exons	2006..2775		
GI Descrip.	'3882356/gb|AAC78441.1| 2.0e-39 (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana]'		

Seq. No.	41308	Seq. ID	OJ990607_01.0303.C27
Gene No.	85605	Strand	-
Start	1060	End	1488
Name	OJ990607_01.0303.C27.o1.gp	Method	AAT/GAP
Start	1060	End	1488
GI	uC-osflcyp143h03b1	Score	485
Exons	1060..1211, 1273..1488		

GI Descrip.	'3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]'		
Seq. No.	41309	Seq. ID	OJ990607_01.0303.C53
Gene No.	85606	Strand	
Start	579	End	2415
Name	OJ990607_01.0303.C53.o1.tc	Method	TBLASTX:Cress
Start	579	End	2410
GI	none	Score	127
Exons	579..692, 580..690, 907..1014, 909..1016, 909..1016, 910..1026, 1467..1571, 1468..1578, 1651..1728, 1652..1726, 1818..1868, 1825..1866, 1830..1937, 1883..1945, 2016..2117, 2027..2125, 2028..2081, 2304..2375, 2305..2409, 2306..2410		
Seq. No.	41309	Seq. ID	OJ990607_01.0303.C53
Gene No.	85606	Strand	
Start	579	End	2415
Name	OJ990607_01.0303.C53.o1.ts	Method	TBLASTX:Soybean
Start	1651	End	2415
GI	none	Score	37
Exons	1651..1698, 1652..1693, 1824..1868, 1825..1869, 1848..1946, 1860..1946, 2027..2125, 2028..2087, 2305..2415, 2306..2410		
Seq. No.	41309	Seq. ID	OJ990607_01.0303.C53
Gene No.	85606	Strand	
Start	579	End	2415
Name	OJ990607_01.0303.C53.o1.tm	Method	TBLASTX:Maize
Start	1824	End	2410
GI	none	Score	90
Exons	1824..1868, 1872..1946, 1883..1945, 2010..2114, 2027..2125, 2028..2078, 2305..2409, 2306..2410		
Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85607	Strand	-
Start	195	End	1032
Name	OJ990607_01.0303.C70.o1.gp	Method	AAT/GAP
Start	195	End	1032
GI	100868_1.R1084	Score	1346
Exons	195..839, 941..1032		
GI Descrip.	'902200/emb|X86563|CHZMXX 7.0e-09 Z.mays complete chloroplast genome'		
Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85608	Strand	-
Start	1450	End	1845
Name	OJ990607_01.0303.C70.o2.gp	Method	AAT/GAP
Start	1450	End	1845
GI	5900747	Score	708
Exons	1450..1845		
GI Descrip.	902200/emb|X86563|CHZMXX 7.0e-09 Z.mays complete chloroplast genome		
Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85609	Strand	-
Start	2172	End	2799
Name	OJ990607_01.0303.C70.o1.tm	Method	TBLASTX:Maize
Start	541	End	2629

GI	none	Score	57
Exons	541..642, 543..641, 592..654, 594..653, 616..699, 671..841, 679..753, 706..840, 746..880, 754..852, 939..1016, 942..1016, 2253..2336, 2253..2336, 2255..2338, 2582..2629		

Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85609	Strand	-
Start	2172	End	2799
Name	OJ990607_01.0303.C70.o3.gp	Method	AAT/GAP
Start	2172	End	2781
GI	31700_1.R1084	Score	488
Exons	2172..2336, 2581..2781		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85609	Strand	-
Start	2172	End	2799
Name	OJ990607_01.0303.C70.o1.tc	Method	TBLASTX:Cress
Start	2582	End	2799
GI	none	Score	116
Exons	2582..2782, 2582..2782, 2650..2784, 2683..2799		

Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85609	Strand	-
Start	2172	End	2799
Name	OJ990607_01.0303.C70.o1.ts	Method	TBLASTX:Soybean
Start	2582	End	2796
GI	none	Score	203
Exons	2582..2782, 2633..2782, 2650..2796, 2650..2784		

Seq. No.	41310	Seq. ID	OJ990607_01.0303.C70
Gene No.	85609	Strand	-
Start	2172	End	2799
Name	OJ990607_01.0303.C70.o2.tm	Method	TBLASTX:Maize
Start	2654	End	2799
GI	none	Score	176
Exons	2654..2782, 2656..2784, 2659..2799		

Seq. No.	41311	Seq. ID	OJ990607_01.0303.C74
Gene No.	85610	Strand	+
Start	621	End	1290
Name	OJ990607_01.0303.C74.o1.tc	Method	TBLASTX:Cress
Start	277	End	645
GI	none	Score	358
Exons	277..426, 298..645, 396..527		

Seq. No.	41311	Seq. ID	OJ990607_01.0303.C74
Gene No.	85610	Strand	+
Start	621	End	1290
Name	OJ990607_01.0303.C74.o1.ts	Method	TBLASTX:Soybean
Start	295	End	648
GI	none	Score	341
Exons	295..576, 298..648		

Seq. No.	41311	Seq. ID	OJ990607_01.0303.C74

Gene No.	85610	Strand	+
Start	621	End	1290
Name	OJ990607_01.0303.C74.o1.tw	Method	TBLASTX:Wheat
Start	298	End	579
GI	none	Score	278
Exons	298..579, 390..527		

Seq. No.	41311	Seq. ID	OJ990607_01.0303.C74
Gene No.	85610	Strand	+
Start	621	End	1290
Name	OJ990607_01.0303.C74.o1.tm	Method	TBLASTX:Maize
Start	376	End	1272
GI	none	Score	665
Exons	376..777, 376..798, 378..797, 1173..1226, 1177..1266, 1177..1272		

Seq. No.	41311	Seq. ID	OJ990607_01.0303.C74
Gene No.	85610	Strand	+
Start	621	End	1290
Name	OJ990607_01.0303.C74.o1.gp	Method	AAT/GAP
Start	621	End	1290
GI	2312727	Score	458
Exons	621..798, 1180..1290		
GI Descrip.	5306252/gb|AAD41985.1|AC006438_17 1.0e-39 (AC006438) putative cyclophilin-type peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	41312	Seq. ID	OJ990607_01.0303.C96
Gene No.	85611	Strand	+
Start	1	End	241
Name	OJ990607_01.0303.C96.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	426199	Score	295
Exons	1..108, 183..241		
GI Descrip.	1001263/dbj|BAA10507| 2.0e-11 (D64003) hypothetical protein [Synechocystis sp.]		

Seq. No.	41312	Seq. ID	OJ990607_01.0303.C96
Gene No.	85612	Strand	
Start	386	End	580
Name	OJ990607_01.0303.C96.o1.tm	Method	TBLASTX:Maize
Start	386	End	580
GI	none	Score	275
Exons	386..580, 387..566, 397..570		

Seq. No.	41313	Seq. ID	OJ990917_03.0310.C4
Gene No.	85613	Strand	+
Start	2986	End	4680
Name	OJ990917_03.0310.C4.o1.np	Method	AAT/NAP
Start	2986	End	4680
GI	7487536	Score	174
Exons	2986..3299, 4426..4680		
GI Descrip.	hypothetical protein T29H11.60 - Arabidopsis thaliana gi|4678346|emb|CAB41156.1| (AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	41314	Seq. ID	OJ990917_03.0310.C5
Gene No.	85614	Strand	+

Start	1048	End	2055
Name	OJ990917_03.0310.C5.o1.np	Method	AAT/NAP
Start	1048	End	2055
GI	7487536	Score	258
Exons	1048..1209, 1720..1786, 2035..2055		
GI Descrip.	hypothetical protein T29H11.60 - Arabidopsis thaliana gi|4678346|emb|CAB41156.1| (AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	41314	Seq. ID	OJ990917_03.0310.C5
Gene No.	85614	Strand	+
Start	1048	End	2055
Name	OJ990917_03.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	1048	End	1792
GI	none	Score	86
Exons	1048..1209, 1048..1203, 1049..1210, 1050..1211, 1337..1375, 1712..1792, 1723..1788		

Seq. No.	41314	Seq. ID	OJ990917_03.0310.C5
Gene No.	85614	Strand	+
Start	1048	End	2055
Name	OJ990917_03.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	1048	End	1799
GI	none	Score	263
Exons	1048..1212, 1049..1210, 1049..1213, 1712..1792, 1712..1783, 1714..1785, 1764..1799		

Seq. No.	41314	Seq. ID	OJ990917_03.0310.C5
Gene No.	85614	Strand	+
Start	1048	End	2055
Name	OJ990917_03.0310.C5.o1.tc	Method	TBLASTX:Cress
Start	1048	End	1210
GI	none	Score	229
Exons	1048..1203, 1049..1210, 1049..1204		

Seq. No.	41314	Seq. ID	OJ990917_03.0310.C5
Gene No.	85614	Strand	+
Start	1048	End	2055
Name	OJ990917_03.0310.C5.o1.gs	Method	GENSCAN
Start	1073	End	1786
GI	none	Score	.59
Exons	1073..1209, 1720..1786		

Seq. No.	41314	Seq. ID	OJ990917_03.0310.C5
Gene No.	85614	Strand	+
Start	1048	End	2055
Name	OJ990917_03.0310.C5.o1.gp	Method	AAT/GAP
Start	1106	End	2055
GI	LIB3432-010-P1-K1-C4	Score	318
Exons	1106..1209, 1720..1786, 2035..2055		
GI Descrip.	'4678346/emb|CAB41156.1| 6.0e-53 (AL049659) putative protein [Arabidopsis thaliana]'		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o1.np	Method	AAT/NAP

Start	1	End	11116
GI	7487536	Score	231
Exons	1..27, 406..452, 832..912, 2907..3054, 11033..11116		
GI Descrip.	hypothetical protein T29H11.60 - Arabidopsis thaliana gi|4678346|emb|CAB41156.1| (AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o1.gs	Method	GENSCAN
Start	406	End	11063
GI	none	Score	.69
Exons	406..452, 832..912, 1220..1348, 1423..1525, 2253..2362, 2907..3021, 3999..4190, 4304..4734, 5397..5527, 7747..7937, 8069..8149, 8196..10707, 10826..11063		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o1.gp	Method	AAT/GAP
Start	406	End	3285
GI	3116_3.R1084	Score	938
Exons	406..452, 832..912, 2907..3285		
GI Descrip.	'4678346/emb|CAB41156.1| 2.0e-67 (AL049659) putative protein [Arabidopsis thaliana]'		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o3.tm	Method	TBLASTX:Maize
Start	406	End	3030
GI	none	Score	66
Exons	406..447, 830..913, 832..915, 833..910, 2902..3030, 2908..3024		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	1311	End	1771
GI	none	Score	66
Exons	1311..1406, 1325..1408, 1341..1415, 1445..1483, 1501..1563, 1550..1771, 1563..1769		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	1358	End	1748
GI	none	Score	85
Exons	1358..1408, 1461..1499, 1527..1748, 1565..1708		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o2.tw	Method	TBLASTX:Wheat
Start	2256	End	2495

GI	none	Score	177
Exons	2256..2495		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	4949	End	5346
GI	none	Score	304
Exons	4949..5170, 4972..5172, 4972..5172, 5258..5281, 5277..5324, 5278..5325, 5280..5324, 5317..5346, 5321..5341		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	4972	End	5154
GI	none	Score	142
Exons	4972..5085, 4978..5079, 4982..5110, 5071..5151, 5079..5153, 5080..5154		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o2.np	Method	AAT/NAP
Start	4972	End	5151
GI	140291	Score	252
Exons	4972..5151		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o2.gp	Method	AAT/GAP
Start	4972	End	5028
GI	7528_2.R1084	Score	95
Exons	4972..5028		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o3.gp	Method	AAT/GAP
Start	5034	End	5347
GI	2653_1.R1084	Score	567
Exons	5034..5347		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+

Start	1	End	11116
Name	OJ990917_03.0310.C6.o3.np	Method	AAT/NAP
Start	5185	End	5952
GI	11998	Score	256
Exons	5185..5348, 5862..5952		
GI Descrip.	(X15901) ORF85 [Oryza sativa] gi|226619|prf||1603356AR ORF 85A [Oryza sativa]		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o4.np	Method	AAT/NAP
Start	5751	End	11116
GI	7485155	Score	293
Exons	5751..5893, 7923..8045, 8163..8432, 8511..8626, 8669..9308, 11055..11116		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244963|emb|CAB10384.1| (Z97340) hypothetical protein [Arabidopsis thaliana] gi|7268354|emb|CAB78647.1| (AL161543) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41315	Seq. ID	OJ990917_03.0310.C6
Gene No.	85615	Strand	+
Start	1	End	11116
Name	OJ990917_03.0310.C6.o2.tc	Method	TBLASTX:Cress
Start	8151	End	8339
GI	none	Score	201
Exons	8151..8339		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o1.gp	Method	AAT/GAP
Start	2298	End	3638
GI	608_1.R1084	Score	1259
Exons	2298..2813, 3454..3638		
GI Descrip.	'4895248/gb|AAD32833.1|AC007659_15 5.0e-54 (AC007659) putative mitochondrial elongation factor G [Arabidopsis thaliana]'		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o1.gs	Method	GENSCAN
Start	2403	End	7110
GI	none	Score	.87
Exons	2403..2813, 3454..3675, 3851..3889, 5034..5155, 5248..5398, 7015..7110		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o1.np	Method	AAT/NAP
Start	2409	End	7154
GI	4895248	Score	1152
Exons	2409..2813, 3454..3675, 5034..5155, 5248..5398, 6651..6722, 7015..7154		
GI Descrip.	(AC007659) putative mitochondrial translation elongation factor		

G [Arabidopsis thaliana]

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	2451	End	2729
GI	none	Score	41
Exons	2451..2474, 2552..2725, 2562..2729		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o1.tc	Method	TBLASTX:Cress
Start	2549	End	2804
GI	none	Score	354
Exons	2549..2803, 2583..2801, 2606..2803, 2610..2804		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	2582	End	2825
GI	none	Score	389
Exons	2582..2803, 2583..2825, 2610..2825		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o3.tm	Method	TBLASTX:Maize
Start	2733	End	3642
GI	none	Score	80
Exons	2733..2825, 3430..3642, 3454..3534, 3456..3641		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o3.ts	Method	TBLASTX:Soybean
Start	3430	End	3633
GI	none	Score	218
Exons	3430..3633, 3456..3632		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o2.ts	Method	TBLASTX:Soybean
Start	3634	End	7113
GI	none	Score	78
Exons	3634..3675, 5031..5156, 5031..5147, 5033..5155, 5249..5398, 5251..5295, 5301..5384, 6648..6722, 6650..6724, 6650..6721, 7009..7113		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	3643	End	7135

GI	none	Score	63
Exons	3643..3675, 5031..5156, 5031..5153, 5032..5154, 5246..5404, 5249..5398, 6648..6722, 6648..6722, 6650..6724, 7009..7113, 7013..7135, 7013..7117		

Seq. No.	41316	Seq. ID	OJ990917_03.0310.C8
Gene No.	85616	Strand	+
Start	2298	End	7154
Name	OJ990917_03.0310.C8.o2.gp	Method	AAT/GAP
Start	5344	End	7154
GI	2310002	Score	390
Exons	5344..5398, 6651..6722, 7015..7154		
GI Descrip.	4895248/gb|AAD32833.1|AC007659_15 5.0e-54 (AC007659) putative mitochondrial elongation factor G [Arabidopsis thaliana]		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85617	Strand	+
Start	1	End	11343
Name	OJ990917_03.0310.C9.o1.np	Method	AAT/NAP
Start	1	End	9100
GI	4895248	Score	1386
Exons	1..45, 269..364, 483..549, 1612..1650, 1784..1844, 1987..2096, 2181..2255, 2329..2397, 4541..4662, 6097..6222, 6312..6432, 6548..6648, 6979..7039, 7974..8027, 8999..9100		
GI Descrip.	(AC007659) putative mitochondrial translation elongation factor G [Arabidopsis thaliana]		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85617	Strand	+
Start	1	End	11343
Name	OJ990917_03.0310.C9.o1.gs	Method	GENSCAN
Start	232	End	11343
GI	none	Score	.82
Exons	232..364, 483..549, 1612..1650, 1784..1844, 1987..2096, 2181..2255, 2329..2397, 3277..3324, 4541..4662, 6097..6222, 6312..6432, 6548..6648, 6979..7039, 7974..8027, 8999..9099, 10299..10410, 11296..11343		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85617	Strand	+
Start	1	End	11343
Name	OJ990917_03.0310.C9.o1.gp	Method	AAT/GAP
Start	274	End	1825
GI	2310002	Score	357
Exons	274..364, 483..549, 1612..1651, 1784..1825		
GI Descrip.	4895248/gb|AAD32833.1|AC007659_15 5.0e-54 (AC007659) putative mitochondrial elongation factor G [Arabidopsis thaliana]		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85617	Strand	+
Start	1	End	11343
Name	OJ990917_03.0310.C9.o2.gp	Method	AAT/GAP
Start	1808	End	9108
GI	17823_1.R1084	Score	1703
Exons	1808..1844, 1987..2096, 2181..2255, 2329..2397, 4541..4662, 6097..6222, 6312..6432, 6548..6648, 6979..7039, 7974..8027, 8999..9108		

GI Descrip. '4895248/gb|AAD32833.1|AC007659_15 1.0e-163 (AC007659) putative mitochondrial elongation factor G [Arabidopsis thaliana]'

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85618	Strand	-
Start	9017	End	9402
Name	OJ990917_03.0310.C9.o3.gp	Method	AAT/GAP
Start	9017	End	9402
GI	none	Score	581
Exons	9017..9402		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	265	End	4670
GI	none	Score	124
Exons	265..363, 273..350, 275..364, 275..364, 480..551, 481..552, 1606..1650, 1607..1684, 1611..1676, 1613..1678, 1776..1802, 1778..1837, 1784..1846, 1981..2094, 1985..2095, 1985..2110, 1986..2111, 2177..2251, 2178..2255, 2179..2256, 2179..2250, 2180..2251, 2326..2400, 2327..2398, 2328..2399, 4538..4612, 4539..4631, 4540..4632, 4540..4629, 4541..4633, 4635..4670, 4637..4663		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o2.tc	Method	TBLASTX:Cress
Start	273	End	4648
GI	none	Score	98
Exons	273..350, 275..364, 331..363, 435..551, 481..552, 1611..1655, 1612..1650, 1777..1845, 1778..1846, 1784..1846, 1981..2094, 1985..2101, 1986..2111, 2178..2234, 2180..2233, 2186..2251, 2232..2255, 2326..2349, 2345..2380, 2346..2396, 2347..2397, 4555..4626, 4556..4648		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	1964	End	2363
GI	none	Score	92
Exons	1964..2092, 1964..2101, 1986..2111, 2177..2251, 2178..2255, 2179..2256, 2180..2251, 2325..2360, 2325..2363, 2326..2361		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	4539	End	6598
GI	none	Score	73
Exons	4539..4652, 4540..4626, 4541..4663, 6097..6201, 6098..6217, 6310..6378, 6312..6377, 6375..6431, 6382..6432, 6545..6598, 6547..6597		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9

Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	6071	End	9103
GI	none	Score	167
Exons	6071..6220, 6095..6226, 6310..6429, 6312..6428, 6536..6649, 6547..6648, 6974..7042, 7973..8026, 7974..8033, 8995..9102, 8996..9103		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	6187	End	9106
GI	none	Score	59
Exons	6187..6222, 6188..6220, 6325..6432, 6328..6432, 6329..6436, 6536..6649, 6538..6648, 6539..6652, 6540..6653, 6963..7040, 6974..7042, 7959..8033, 7973..8023, 8995..9105, 8996..9106, 8996..9082, 8998..9102		

Seq. No.	41317	Seq. ID	OJ990917_03.0310.C9
Gene No.	85619	Strand	-
Start	11548	End	12109
Name	OJ990917_03.0310.C9.o2.gs	Method	GENSCAN
Start	11548	End	12109
GI	none	Score	.87
Exons	11548..11676, 12062..12109		

Seq. No.	41318	Seq. ID	OJ990917_03.0310.C10
Gene No.	85620	Strand	-
Start	1	End	1585
Name	OJ990917_03.0310.C10.o1.gp	Method	AAT/GAP
Start	1	End	1393
GI	11210_1.R1084	Score	506
Exons	1..65, 172..242, 554..617, 703..748, 837..909, 1318..1393		
GI Descrip.	'4038034 2.0e-29 (AC005936) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41318	Seq. ID	OJ990917_03.0310.C10
Gene No.	85620	Strand	-
Start	1	End	1585
Name	OJ990917_03.0310.C10.o1.np	Method	AAT/NAP
Start	1	End	1585
GI	7262697	Score	235
Exons	1..104, 183..242, 554..617, 703..744, 833..909, 1318..1389, 1493..1585		
GI Descrip.	(AC012188) Contains similarity to an unknown protein from Arabidopsis thaliana gb|AC005936.2. EST gb|AI997527 comes from this gene		

Seq. No.	41319	Seq. ID	OJ990917_03.0310.C11
Gene No.	85621	Strand	-
Start	1681	End	2096
Name	OJ990917_03.0310.C11.o1.np	Method	AAT/NAP
Start	1681	End	1895
GI	7485647	Score	100
Exons	1681..1895		

GI Descrip.	hypothetical protein F17L22.250 - Arabidopsis thaliana gi|4455287|emb|CAB36823.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268976|emb|CAB81286.1| (AL161555) putative protein [Arabidopsis thaliana]		
Seq. No.	41319	Seq. ID	OJ990917_03.0310.C11
Gene No.	85621	Strand	-
Start	1681	End	2096
Name	OJ990917_03.0310.C11.o1.gp	Method	AAT/GAP
Start	1732	End	2096
GI	none	Score	687
Exons	1732..2096		
Seq. No.	41320	Seq. ID	OJ990917_03.0310.C13
Gene No.	85622	Strand	+
Start	237	End	494
Name	OJ990917_03.0310.C13.o1.gs	Method	GENSCAN
Start	237	End	494
GI	none	Score	.67
Exons	237..494		
Seq. No.	41320	Seq. ID	OJ990917_03.0310.C13
Gene No.	85623	Strand	-
Start	1593	End	1717
Name	OJ990917_03.0310.C13.o2.gs	Method	GENSCAN
Start	1593	End	1717
GI	none	Score	.41
Exons	1593..1717		
Seq. No.	41321	Seq. ID	OJ990917_03.0310.C19
Gene No.	85624	Strand	-
Start	147	End	299
Name	OJ990917_03.0310.C19.o1.gs	Method	GENSCAN
Start	147	End	299
GI	none	Score	.4
Exons	147..299		
Seq. No.	41322	Seq. ID	OJ990917_03.0310.C22
Gene No.	85625	Strand	+
Start	1	End	1181
Name	OJ990917_03.0310.C22.o1.np	Method	AAT/NAP
Start	1	End	1181
GI	7019666	Score	131
Exons	1..121, 707..793, 881..989, 1089..1181		
GI Descrip.	(AL132954) putative protein [Arabidopsis thaliana]		
Seq. No.	41322	Seq. ID	OJ990917_03.0310.C22
Gene No.	85625	Strand	+
Start	1	End	1181
Name	OJ990917_03.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	705	End	1139
GI	none	Score	98
Exons	705..779, 706..804, 712..777, 878..904, 880..906, 906..989, 909..989, 1097..1138, 1098..1139		
Seq. No.	41323	Seq. ID	OJ990917_03.0310.C23
Gene No.	85626	Strand	+

Start	280	End	722
Name	OJ990917_03.0310.C23.o1.gs	Method	GENSCAN
Start	280	End	722
GI	none	Score	.79
Exons	280..331, 700..722		

Seq. No.	41323	Seq. ID	OJ990917_03.0310.C23
Gene No.	85627	Strand	+
Start	796	End	1292
Name	OJ990917_03.0310.C23.o1.gp	Method	AAT/GAP
Start	796	End	1292
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	796..860, 1245..1292		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85628	Strand	+
Start	92	End	390
Name	OJ990917_03.0310.C24.o1.gs	Method	GENSCAN
Start	92	End	390
GI	none	Score	.71
Exons	92..390		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85629	Strand	+
Start	2109	End	2202
Name	OJ990917_03.0310.C24.o1.gp	Method	AAT/GAP
Start	2109	End	2202
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	2109..2202		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85630	Strand	+
Start	11649	End	12905
Name	OJ990917_03.0310.C24.o2.np	Method	AAT/NAP
Start	11564	End	12825
GI	6721562	Score	1186
Exons	11564..12825		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85630	Strand	+
Start	11649	End	12905
Name	OJ990917_03.0310.C24.o4.gs	Method	GENSCAN
Start	11649	End	12793
GI	none	Score	.89
Exons	11649..11845, 11995..12427, 12607..12793		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85630	Strand	+
Start	11649	End	12905
Name	OJ990917_03.0310.C24.o3.np	Method	AAT/NAP
Start	12682	End	12905
GI	7242907	Score	228
Exons	12682..12905		
GI Descrip.	(AP001383) Similar to prpol. (AF049110) [Oryza sativa]		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85631	Strand	-
Start	2983	End	5784
Name	OJ990917_03.0310.C24.o2.gp	Method	AAT/GAP
Start	2973	End	3652
GI	none	Score	797
Exons	2973..3287, 3526..3652		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85631	Strand	-
Start	2983	End	5784
Name	OJ990917_03.0310.C24.o2.gs	Method	GENSCAN
Start	2983	End	5784
GI	none	Score	.78
Exons	2983..3287, 3526..4298, 4481..5784		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85631	Strand	-
Start	2983	End	5784
Name	OJ990917_03.0310.C24.o1.np	Method	AAT/NAP
Start	4384	End	5777
GI	7485155	Score	287
Exons	4384..5029, 5071..5187, 5251..5540, 5667..5777		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244963|emb|CAB10384.1| (Z97340) hypothetical protein [Arabidopsis thaliana] gi|7268354|emb|CAB78647.1| (AL161543) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85631	Strand	-
Start	2983	End	5784
Name	OJ990917_03.0310.C24.o1.tc	Method	TBLASTX:Cress
Start	5344	End	5571
GI	none	Score	197
Exons	5344..5571		

Seq. No.	41324	Seq. ID	OJ990917_03.0310.C24
Gene No.	85632	Strand	
Start	12231	End	12624
Name	OJ990917_03.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	12231	End	12624
GI	none	Score	37
Exons	12231..12311, 12283..12384, 12287..12385, 12353..12454, 12456..12506, 12456..12590, 12457..12624		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85633	Strand	+
Start	1	End	11637

Name	OJ990917_03.0310.C25.o1.np	Method	AAT/NAP
Start	1	End	11634
GI	7228457	Score	5440
Exons	1..1110, 1174..1257, 5286..6037, 6160..6270, 6849..7164, 9272..10018, 10085..11634		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85633	Strand	+
Start	1	End	11637
Name	OJ990917_03.0310.C25.o1.gs	Method	GENSCAN
Start	86	End	1173
GI	none	Score	.95
Exons	86..326, 456..1173		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85633	Strand	+
Start	1	End	11637
Name	OJ990917_03.0310.C25.o2.gs	Method	GENSCAN
Start	2310	End	2922
GI	none	Score	1
Exons	2310..2370, 2816..2922		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85633	Strand	+
Start	1	End	11637
Name	OJ990917_03.0310.C25.o4.gs	Method	GENSCAN
Start	5694	End	7388
GI	none	Score	.44
Exons	5694..5873, 6592..6644, 6888..7004, 7009..7196, 7300..7388		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85633	Strand	+
Start	1	End	11637
Name	OJ990917_03.0310.C25.o5.gs	Method	GENSCAN
Start	8722	End	11637
GI	none	Score	.48
Exons	8722..8743, 9296..9777, 9829..11369, 11406..11637		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85634	Strand	+
Start	20652	End	21923
Name	OJ990917_03.0310.C25.o7.gs	Method	GENSCAN
Start	20652	End	21923
GI	none	Score	.6
Exons	20652..20735, 20774..20943, 21899..21923		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85635	Strand	+
Start	27814	End	33131
Name	OJ990917_03.0310.C25.o9.gs	Method	GENSCAN
Start	27814	End	33131
GI	none	Score	.74
Exons	27814..27854, 28593..28655, 28788..28918, 29223..29373, 30002..30379, 30895..31384, 32772..33131		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85635	Strand	+
Start	27814	End	33131
Name	OJ990917_03.0310.C25.o4.np	Method	AAT/NAP
Start	30779	End	33128
GI	2760835	Score	935
Exons	30779..31384, 32772..33128		
GI Descrip.	(AC003105) unknown protein [Arabidopsis thaliana]		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85636	Strand	-
Start	1969	End	2350
Name	OJ990917_03.0310.C25.o1.gp	Method	AAT/GAP
Start	1969	End	2350
GI	uC-osf1cyp033a04b1	Score	667
Exons	1969..2350		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85637	Strand	-
Start	3234	End	4504
Name	OJ990917_03.0310.C25.o3.gs	Method	GENSCAN
Start	3234	End	4504
GI	none	Score	.48
Exons	3234..3306, 3456..4235, 4241..4399, 4419..4504		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85638	Strand	-
Start	12307	End	16862
Name	OJ990917_03.0310.C25.o6.gs	Method	GENSCAN
Start	12307	End	16862
GI	none	Score	.62
Exons	12307..13048, 13084..13762, 14047..14294, 14608..15285, 15320..15485, 15506..15678, 16072..16228, 16748..16862		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85638	Strand	-
Start	12307	End	16862
Name	OJ990917_03.0310.C25.o2.np	Method	AAT/NAP
Start	12337	End	15884
GI	6907089	Score	1969
Exons	12337..13083, 13161..13289, 13383..14404, 14567..14852, 14880..15884		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85639	Strand	-
Start	22619	End	26279
Name	OJ990917_03.0310.C25.o8.gs	Method	GENSCAN
Start	22619	End	26255
GI	none	Score	.83
Exons	22619..22739, 22871..22905, 22963..23088, 23378..23446, 23526..23573, 23706..23787, 23876..23955, 24057..24128, 24205..24299, 25688..25769, 25896..26255		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85639	Strand	-
Start	22619	End	26279
Name	OJ990917_03.0310.C25.o3.np	Method	AAT/NAP
Start	22974	End	26279
GI	6449448	Score	373
Exons	22974..23088, 23378..23446, 23526..23573, 23706..23787, 23876..23955, 24057..24128, 24205..24299, 25688..25771, 25855..26279		
GI Descrip.	(AF094825) RNA-binding protein homolog [Brassica napus]		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o1.tw	Method	TBLASTX:Wheat
Start	544	End	1260
GI	none	Score	426
Exons	544..1074, 555..716, 738..1055, 1051..1260, 1137..1259		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o2.tw	Method	TBLASTX:Wheat
Start	5280	End	5672
GI	none	Score	479
Exons	5280..5672, 5285..5671		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o1.tm	Method	TBLASTX:Maize
Start	5340	End	5696
GI	none	Score	372
Exons	5340..5696, 5381..5683		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o3.tm	Method	TBLASTX:Maize
Start	5723	End	6108
GI	none	Score	276
Exons	5723..6001, 5724..6002, 5997..6089, 5998..6108		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o5.ts	Method	TBLASTX:Soybean
Start	5757	End	5993
GI	none	Score	198
Exons	5757..5993, 5876..5992		

Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o3.tw	Method	TBLASTX:Wheat
Start	5781	End	6206
GI	none	Score	273

Exons	5781..6002, 5784..5993, 5786..6001, 5994..6206, 5995..6180		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o6.tw	Method	TBLASTX:Wheat
Start	9547	End	9996
GI	none	Score	220
Exons	9547..9771, 9567..9773, 9844..9996, 9855..9995		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o6.ts	Method	TBLASTX:Soybean
Start	9670	End	10097
GI	none	Score	90
Exons	9670..9783, 9678..9767, 9858..9926, 9859..10095, 9978..10097		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o7.tw	Method	TBLASTX:Wheat
Start	10030	End	10326
GI	none	Score	195
Exons	10030..10326		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o2.tm	Method	TBLASTX:Maize
Start	10504	End	10827
GI	none	Score	330
Exons	10504..10827, 10617..10814		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o5.tw	Method	TBLASTX:Wheat
Start	10641	End	11009
GI	none	Score	364
Exons	10641..11009, 10642..10995		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o4.tw	Method	TBLASTX:Wheat
Start	11016	End	11625
GI	none	Score	47
Exons	11016..11126, 11017..11469, 11028..11126, 11162..11485, 11166..11297, 11499..11621, 11500..11625		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o3.ts	Method	TBLASTX:Soybean
Start	30953	End	31153
GI	none	Score	233

Exons	30953..31153, 30958..31137		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o1.tc	Method	TBLASTX:Cress
Start	30953	End	31300
GI	none	Score	314
Exons	30953..31243, 30958..31242, 31225..31299, 31235..31300		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o5.np	Method	AAT/NAP
Start	32634	End	36810
GI	6606266	Score	1110
Exons	32634..32700, 33822..34197, 34307..36810		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o1.ts	Method	TBLASTX:Soybean
Start	32790	End	33131
GI	none	Score	456
Exons	32790..33125, 32790..33131, 32876..33127		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o10.gs	Method	GENSCAN
Start	33743	End	37015
GI	none	Score	.6
Exons	33743..37015		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o2.ts	Method	TBLASTX:Soybean
Start	35081	End	35866
GI	none	Score	63
Exons	35081..35290, 35096..35215, 35212..35241, 35384..35530, 35609..35743, 35765..35866		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o4.tm	Method	TBLASTX:Maize
Start	35528	End	36019
GI	none	Score	134
Exons	35528..35761, 35759..36019		
Seq. No.	41325	Seq. ID	OJ990917_03.0310.C25
Gene No.	85640	Strand	-
Start	32634	End	37015
Name	OJ990917_03.0310.C25.o4.ts	Method	TBLASTX:Soybean
Start	35870	End	36358

GI	none	Score	67
Exons	35870..36085, 35985..36062, 36107..36214, 36218..36307, 36311..36358		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.gp	Method	AAT/GAP
Start	1	End	2117
GI	7747_1.R1084	Score	991
Exons	1..161, 789..875, 954..1121, 1860..1979, 2087..2117		
GI Descrip.	'3097266/emb|CAA76677| 5.0e-63 (Y17186) translation initiation factor [Pisum sativum]'		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.tw	Method	TBLASTX:Wheat
Start	31	End	1124
GI	none	Score	159
Exons	31..162, 39..161, 715..876, 783..878, 787..837, 789..878, 952..1122, 954..1124, 955..1119		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.ts	Method	TBLASTX:Soybean
Start	36	End	4136
GI	none	Score	141
Exons	36..161, 37..165, 787..837, 789..878, 796..876, 954..1124, 955..1119, 1857..1982, 1857..1979, 2073..2198, 2087..2200, 2088..2195, 2096..2197, 2901..2972, 2911..2967, 3065..3301, 3067..3306, 3079..3306, 3206..3310, 3860..4135, 3861..4010, 4056..4136		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o2.tm	Method	TBLASTX:Maize
Start	43	End	2973
GI	none	Score	162
Exons	43..174, 47..178, 48..161, 715..876, 783..878, 787..837, 789..878, 954..1124, 955..1119, 1857..1982, 1857..1979, 2049..2195, 2070..2198, 2086..2196, 2087..2200, 2093..2197, 2901..2972, 2902..2973		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.gs	Method	GENSCAN
Start	48	End	4348
GI	none	Score	.84
Exons	48..161, 789..875, 984..1121, 1860..1979, 2087..2194, 3067..3307, 3861..4348		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-

Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.tc	Method	TBLASTX:Cress
Start	48	End	4156
GI	none	Score	145
Exons	48..161, 52..162, 56..181, 57..173, 789..878, 790..876, 954..1124, 955..1110, 958..1146, 962..1123, 1851..1979, 1851..1979, 1858..1980, 2049..2195, 2087..2200, 2096..2197, 2901..2996, 2903..2983, 2911..2985, 3065..3301, 3079..3306, 3860..4156, 3873..4010, 4059..4130		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.np	Method	AAT/NAP
Start	51	End	4117
GI	1170507	Score	1598
Exons	51..161, 789..875, 954..1121, 1860..1979, 2087..2194, 2904..2984, 3067..3307, 3861..4117		
GI Descrip.	EUKARYOTIC INITIATION FACTOR 4A-3 (EIF-4A-3) gi|100276|pir||S22579 translation initiation factor eIF-4A - curled-leaved tobacco gi|19699|emb|CAA43514.1| (X61206) nicotiana eukaryotic translation initiation factor 4A [Nicotiana plumbaginifolia]		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o4.tw	Method	TBLASTX:Wheat
Start	1857	End	2200
GI	none	Score	80
Exons	1857..1982, 1857..1979, 2087..2200, 2088..2183, 2093..2197		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o2.gp	Method	AAT/GAP
Start	2872	End	3948
GI	3767925	Score	750
Exons	2872..2984, 3067..3307, 3861..3948		
GI Descrip.	3097266/emb|CAA76677| 5.0e-63 (Y17186) translation initiation factor [Pisum sativum]		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o3.tw	Method	TBLASTX:Wheat
Start	2928	End	3303
GI	none	Score	52
Exons	2928..2984, 2931..2984, 2941..2985, 3038..3301, 3079..3303, 3112..3303		

Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	3072	End	4181
GI	none	Score	47

Exons	3072..3110, 3079..3111, 3079..3111, 3085..3306, 3113..3301, 3115..3306, 3206..3310, 3860..4129, 3861..4130, 4124..4165, 4140..4181		
Seq. No.	41326	Seq. ID	OJ990917_03.0310.C26
Gene No.	85641	Strand	-
Start	1	End	4348
Name	OJ990917_03.0310.C26.o2.tw	Method	TBLASTX:Wheat
Start	3899	End	4130
GI	none	Score	272
Exons	3899..4129, 3900..4130		
Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85642	Strand	-
Start	181	End	4459
Name	OJ990917_03.0310.C27.o1.gs	Method	GENSCAN
Start	181	End	4459
GI	none	Score	.46
Exons	181..257, 370..569, 702..904, 2173..2343, 2414..2478, 2625..2714, 4264..4459		
Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-
Start	6419	End	9860
Name	OJ990917_03.0310.C27.o2.ts	Method	TBLASTX:Soybean
Start	6344	End	6928
GI	none	Score	72
Exons	6344..6460, 6563..6928, 6642..6770		
Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-
Start	6419	End	9860
Name	OJ990917_03.0310.C27.o1.np	Method	AAT/NAP
Start	6419	End	9860
GI	6815097	Score	4682
Exons	6419..7185, 7325..9057, 9172..9860		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-
Start	6419	End	9860
Name	OJ990917_03.0310.C27.o2.tw	Method	TBLASTX:Wheat
Start	6575	End	6820
GI	none	Score	83
Exons	6575..6820, 6600..6785		
Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-
Start	6419	End	9860
Name	OJ990917_03.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	6587	End	6940
GI	none	Score	236
Exons	6587..6910, 6588..6911, 6902..6940		
Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-

Start	6419	End	9860
Name	OJ990917_03.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	6899	End	7702
GI	none	Score	98
Exons	6899..6973, 7347..7433, 7451..7702, 7476..7682		

Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-
Start	6419	End	9860
Name	OJ990917_03.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	7241	End	7694
GI	none	Score	61
Exons	7241..7327, 7311..7433, 7469..7693, 7611..7694		

Seq. No.	41327	Seq. ID	OJ990917_03.0310.C27
Gene No.	85643	Strand	-
Start	6419	End	9860
Name	OJ990917_03.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	7362	End	7759
GI	5509260	Score	75
Exons	7362..7433, 7442..7759, 7611..7739, 7658..7741		
GI Descrip.	-		

Seq. No.	41328	Seq. ID	OJ990917_03.0310.C28
Gene No.	85644	Strand	+
Start	72	End	730
Name	OJ990917_03.0310.C28.o2.gp	Method	AAT/GAP
Start	72	End	586
GI	LIB3432-011-P1-K1-D9	Score	747
Exons	72..260, 334..586		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	41328	Seq. ID	OJ990917_03.0310.C28
Gene No.	85644	Strand	+
Start	72	End	730
Name	OJ990917_03.0310.C28.o1.np	Method	AAT/NAP
Start	76	End	423
GI	4038034	Score	140
Exons	76..260, 334..423		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	41328	Seq. ID	OJ990917_03.0310.C28
Gene No.	85644	Strand	+
Start	72	End	730
Name	OJ990917_03.0310.C28.o1.gp	Method	AAT/GAP
Start	182	End	730
GI	11210_1.R1084	Score	672
Exons	182..260, 334..730		
GI Descrip.	'4038034 2.0e-29 (AC005936) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41328	Seq. ID	OJ990917_03.0310.C28
Gene No.	85644	Strand	+
Start	72	End	730
Name	OJ990917_03.0310.C28.o1.gs	Method	GENSCAN
Start	189	End	260

GI	none	Score	.77
Exons	189..260		
Seq. No.	41328	Seq. ID	OJ990917_03.0310.C28
Gene No.	85644	Strand	+
Start	72	End	730
Name	OJ990917_03.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	189	End	426
GI	none	Score	95
Exons	189..281, 198..272, 333..425,	334..426	
Seq. No.	41329	Seq. ID	OJ990524_12.0310.C2
Gene No.	85645	Strand	+
Start	1	End	850
Name	OJ990524_12.0310.C2.o1.gp	Method	AAT/GAP
Start	1	End	850
GI	2139_1.R1084	Score	916
Exons	1..44, 402..850		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	41329	Seq. ID	OJ990524_12.0310.C2
Gene No.	85645	Strand	+
Start	1	End	850
Name	OJ990524_12.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	371	End	634
GI	none	Score	252
Exons	371..493, 402..632, 525..569,	590..634	
Seq. No.	41329	Seq. ID	OJ990524_12.0310.C2
Gene No.	85645	Strand	+
Start	1	End	850
Name	OJ990524_12.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	392	End	632
GI	none	Score	272
Exons	392..631, 402..632		
Seq. No.	41329	Seq. ID	OJ990524_12.0310.C2
Gene No.	85645	Strand	+
Start	1	End	850
Name	OJ990524_12.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	401	End	637
GI	none	Score	291
Exons	401..637, 402..632		
Seq. No.	41329	Seq. ID	OJ990524_12.0310.C2
Gene No.	85645	Strand	+
Start	1	End	850
Name	OJ990524_12.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	402	End	634
GI	none	Score	229
Exons	402..632, 528..569, 578..634		
Seq. No.	41330	Seq. ID	OJ990524_12.0310.C9
Gene No.	85646	Strand	
Start	160	End	724
Name	OJ990524_12.0310.C9.o1.tc	Method	TBLASTX:Cress

Start	160	End	582
GI	none	Score	84
Exons	160..354, 245..355, 442..480, 490..582		

Seq. No.	41330	Seq. ID	OJ990524_12.0310.C9
Gene No.	85646	Strand	
Start	160	End	724
Name	OJ990524_12.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	259	End	724
GI	none	Score	127
Exons	259..354, 260..355, 439..489, 455..493, 484..582, 485..583, 698..724		

Seq. No.	41331	Seq. ID	OJ990524_12.0310.C10
Gene No.	85647	Strand	-
Start	132	End	418
Name	OJ990524_12.0310.C10.o1.gp	Method	AAT/GAP
Start	132	End	418
GI	426253	Score	440
Exons	132..418		

Seq. No.	41332	Seq. ID	OJ990524_12.0310.C21
Gene No.	85648	Strand	
Start	5	End	187
Name	OJ990524_12.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	5	End	187
GI	none	Score	227
Exons	5..160, 5..187		

Seq. No.	41333	Seq. ID	OJ990524_12.0310.C28
Gene No.	85649	Strand	
Start	49	End	612
Name	OJ990524_12.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	49	End	612
GI	none	Score	207
Exons	49..213, 54..212, 310..387, 427..612		

Seq. No.	41334	Seq. ID	OJ990524_12.0310.C36
Gene No.	85650	Strand	
Start	1	End	444
Name	OJ990524_12.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	384
GI	none	Score	290
Exons	1..261, 3..257, 6..269, 325..378, 334..384		

Seq. No.	41334	Seq. ID	OJ990524_12.0310.C36
Gene No.	85650	Strand	
Start	1	End	444
Name	OJ990524_12.0310.C36.o1.ts	Method	TBLASTX:Soybean
Start	1	End	444
GI	none	Score	242
Exons	1..264, 3..257, 11..259, 325..423, 334..444, 347..442		

Seq. No.	41334	Seq. ID	OJ990524_12.0310.C36
Gene No.	85650	Strand	
Start	1	End	444
Name	OJ990524_12.0310.C36.o1.tc	Method	TBLASTX:Cress

Start	12	End	385
GI	none	Score	189
Exons	12..257, 22..264, 334..384, 347..385		

Seq. No.	41334	Seq. ID	OJ990524_12.0310.C36
Gene No.	85651	Strand	
Start	386	End	724
Name	OJ990524_12.0310.C36.o2.tc	Method	TBLASTX:Cress
Start	386	End	724
GI	none	Score	81
Exons	386..493, 387..470, 388..495, 539..721, 563..724		

Seq. No.	41334	Seq. ID	OJ990524_12.0310.C36
Gene No.	85652	Strand	
Start	633	End	832
Name	OJ990524_12.0310.C36.o2.tm	Method	TBLASTX:Maize
Start	633	End	832
GI	none	Score	151
Exons	633..716, 635..778, 635..832, 799..831		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85653	Strand	
Start	3	End	305
Name	OJ990524_12.0310.C42.o3.tw	Method	TBLASTX:Wheat
Start	3	End	305
GI	none	Score	72
Exons	3..65, 3..104, 4..111, 73..258, 75..257, 254..301, 261..305		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o1.tw	Method	TBLASTX:Wheat
Start	1945	End	2421
GI	none	Score	133
Exons	1945..2058, 1980..2330, 1983..2330, 2152..2331, 2346..2420, 2348..2419, 2350..2421		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o3.ts	Method	TBLASTX:Soybean
Start	2073	End	2414
GI	none	Score	83
Exons	2073..2282, 2152..2277, 2301..2414, 2308..2388		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o2.tm	Method	TBLASTX:Maize
Start	2277	End	2616
GI	none	Score	206
Exons	2277..2615, 2278..2616		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o1.ts	Method	TBLASTX:Soybean

Start	2427	End	2772
GI	none	Score	124
Exons	2427..2771, 2572..2772		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o2.tw	Method	TBLASTX:Wheat
Start	2625	End	3155
GI	none	Score	48
Exons	2625..2831, 2635..2757, 2826..3155, 2850..3023, 3130..3153		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o1.tm	Method	TBLASTX:Maize
Start	2706	End	3164
GI	none	Score	129
Exons	2706..3164, 2809..3156		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o2.ts	Method	TBLASTX:Soybean
Start	2790	End	3134
GI	none	Score	109
Exons	2790..3134, 2796..3029, 2851..3120		

Seq. No.	41335	Seq. ID	OJ990524_12.0310.C42
Gene No.	85654	Strand	
Start	1945	End	3164
Name	OJ990524_12.0310.C42.o1.tc	Method	TBLASTX:Cress
Start	2952	End	3164
GI	none	Score	75
Exons	2952..3164, 3040..3153		

Seq. No.	41336	Seq. ID	OJ990524_12.0310.C45
Gene No.	85655	Strand	
Start	2776	End	3170
Name	OJ990524_12.0310.C45.o1.tm	Method	TBLASTX:Maize
Start	2776	End	3155
GI	none	Score	43
Exons	2776..2802, 2884..2931, 2893..2934, 2985..3155, 2989..3150		

Seq. No.	41336	Seq. ID	OJ990524_12.0310.C45
Gene No.	85655	Strand	
Start	2776	End	3170
Name	OJ990524_12.0310.C45.o1.ts	Method	TBLASTX:Soybean
Start	2971	End	3170
GI	5753597	Score	75
Exons	2971..3126, 2985..3170, 2988..3134, 2989..3147		
GI Descrip.	-		

Seq. No.	41336	Seq. ID	OJ990524_12.0310.C45
Gene No.	85655	Strand	
Start	2776	End	3170
Name	OJ990524_12.0310.C45.o1.tc	Method	TBLASTX:Cress

Start	2985	End	3170
GI	none	Score	133
Exons	2985..3170, 2995..3147		

Seq. No.	41337	Seq. ID	OJ990524_12.0310.C56
Gene No.	85656	Strand	-
Start	1564	End	1774
Name	OJ990524_12.0310.C56.o1.gp	Method	AAT/GAP
Start	1564	End	1774
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	1564..1601, 1707..1774		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41338	Seq. ID	OJ990524_12.0310.C62
Gene No.	85657	Strand	
Start	247	End	997
Name	OJ990524_12.0310.C62.o1.tw	Method	TBLASTX:Wheat
Start	247	End	682
GI	none	Score	238
Exons	247..489, 248..499, 533..682, 542..679, 544..681		

Seq. No.	41338	Seq. ID	OJ990524_12.0310.C62
Gene No.	85657	Strand	
Start	247	End	997
Name	OJ990524_12.0310.C62.o1.ts	Method	TBLASTX:Soybean
Start	371	End	937
GI	5666795	Score	68
Exons	371..469, 545..682, 737..937		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41338	Seq. ID	OJ990524_12.0310.C62
Gene No.	85657	Strand	
Start	247	End	997
Name	OJ990524_12.0310.C62.o3.tw	Method	TBLASTX:Wheat
Start	685	End	997
GI	none	Score	184
Exons	685..861, 737..997		

Seq. No.	41338	Seq. ID	OJ990524_12.0310.C62
Gene No.	85658	Strand	
Start	1193	End	1549
Name	OJ990524_12.0310.C62.o2.tw	Method	TBLASTX:Wheat
Start	1193	End	1549
GI	none	Score	306
Exons	1193..1549, 1234..1506		

Seq. No.	41338	Seq. ID	OJ990524_12.0310.C62
Gene No.	85658	Strand	
Start	1193	End	1549
Name	OJ990524_12.0310.C62.o1.tm	Method	TBLASTX:Maize
Start	1199	End	1513
GI	none	Score	350
Exons	1199..1513, 1234..1500		

Seq. No.	41339	Seq. ID	OJ990524_12.0310.C65

Gene No.	85659	Strand	
Start	479	End	711
Name	OJ990524_12.0310.C65.o1.tc	Method	TBLASTX:Cress
Start	479	End	669
GI	none	Score	219
Exons	479..667, 479..667, 502..669		

Seq. No.	41339	Seq. ID	OJ990524_12.0310.C65
Gene No.	85659	Strand	
Start	479	End	711
Name	OJ990524_12.0310.C65.o1.tm	Method	TBLASTX:Maize
Start	503	End	711
GI	none	Score	266
Exons	503..673, 503..673, 505..711, 671..694		

Seq. No.	41339	Seq. ID	OJ990524_12.0310.C65
Gene No.	85659	Strand	
Start	479	End	711
Name	OJ990524_12.0310.C65.o1.ts	Method	TBLASTX:Soybean
Start	509	End	669
GI	none	Score	209
Exons	509..667, 511..669		

Seq. No.	41340	Seq. ID	OJ990524_12.0310.C66
Gene No.	85660	Strand	
Start	407	End	901
Name	OJ990524_12.0310.C66.o1.tw	Method	TBLASTX:Wheat
Start	407	End	901
GI	none	Score	70
Exons	407..703, 417..626, 719..901		

Seq. No.	41340	Seq. ID	OJ990524_12.0310.C66
Gene No.	85660	Strand	
Start	407	End	901
Name	OJ990524_12.0310.C66.o1.ts	Method	TBLASTX:Soybean
Start	509	End	889
GI	none	Score	116
Exons	509..700, 683..889		

Seq. No.	41341	Seq. ID	OJ990524_12.0310.C72
Gene No.	85661	Strand	
Start	63	End	572
Name	OJ990524_12.0310.C72.o1.tm	Method	TBLASTX:Maize
Start	63	End	438
GI	none	Score	133
Exons	63..437, 76..438		

Seq. No.	41341	Seq. ID	OJ990524_12.0310.C72
Gene No.	85661	Strand	
Start	63	End	572
Name	OJ990524_12.0310.C72.o2.tw	Method	TBLASTX:Wheat
Start	93	End	437
GI	none	Score	90
Exons	93..437, 117..290		

Seq. No.	41341	Seq. ID	OJ990524_12.0310.C72
Gene No.	85661	Strand	

Start	63	End	572
Name	OJ990524_12.0310.C72.o1.ts	Method	TBLASTX:Soybean
Start	108	End	572
GI	5509260	Score	57
Exons	108..572, 127..180, 253..477		
GI Descrip.	-		

Seq. No.	41341	Seq. ID	OJ990524_12.0310.C72
Gene No.	85661	Strand	
Start	63	End	572
Name	OJ990524_12.0310.C72.o1.tc	Method	TBLASTX:Cress
Start	219	End	479
GI	none	Score	110
Exons	219..479, 307..477		

Seq. No.	41341	Seq. ID	OJ990524_12.0310.C72
Gene No.	85662	Strand	
Start	492	End	869
Name	OJ990524_12.0310.C72.o1.tw	Method	TBLASTX:Wheat
Start	492	End	869
GI	none	Score	237
Exons	492..869, 492..866, 802..867		

Seq. No.	41342	Seq. ID	OJ990524_12.0310.C80
Gene No.	85663	Strand	
Start	935	End	1603
Name	OJ990524_12.0310.C80.o1.tw	Method	TBLASTX:Wheat
Start	935	End	1603
GI	none	Score	57
Exons	935..991, 945..992, 1345..1599, 1357..1593, 1403..1603		

Seq. No.	41342	Seq. ID	OJ990524_12.0310.C80
Gene No.	85663	Strand	
Start	935	End	1603
Name	OJ990524_12.0310.C80.o1.tm	Method	TBLASTX:Maize
Start	1297	End	1563
GI	none	Score	85
Exons	1297..1563, 1363..1563		

Seq. No.	41342	Seq. ID	OJ990524_12.0310.C80
Gene No.	85663	Strand	
Start	935	End	1603
Name	OJ990524_12.0310.C80.o1.ts	Method	TBLASTX:Soybean
Start	1363	End	1563
GI	none	Score	85
Exons	1363..1563, 1363..1563		

Seq. No.	41343	Seq. ID	OJ990624_10.0303.C6
Gene No.	85664	Strand	+
Start	1467	End	1712
Name	OJ990624_10.0303.C6.o1.gp	Method	AAT/GAP
Start	1467	End	1712
GI	5816568	Score	247
Exons	1467..1489, 1553..1712		
GI Descrip.	5441881/dbj|BAA82379.1| 4.0e-10 (AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		

Seq. No.	41344	Seq. ID	OJ990624_10.0303.C18
Gene No.	85665	Strand	
Start	1204	End	1462
Name	OJ990624_10.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	1204	End	1462
GI	none	Score	41
Exons	1204..1461, 1213..1284, 1325..1462		

Seq. No.	41344	Seq. ID	OJ990624_10.0303.C18
Gene No.	85665	Strand	
Start	1204	End	1462
Name	OJ990624_10.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	1210	End	1461
GI	none	Score	51
Exons	1210..1278, 1210..1461, 1262..1459		

Seq. No.	41344	Seq. ID	OJ990624_10.0303.C18
Gene No.	85665	Strand	
Start	1204	End	1462
Name	OJ990624_10.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	1222	End	1461
GI	none	Score	84
Exons	1222..1461, 1339..1461		

Seq. No.	41344	Seq. ID	OJ990624_10.0303.C18
Gene No.	85665	Strand	
Start	1204	End	1462
Name	OJ990624_10.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	1243	End	1462
GI	none	Score	75
Exons	1243..1461, 1325..1462		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o3.tm	Method	TBLASTX:Maize
Start	38	End	583
GI	none	Score	36
Exons	38..58, 155..199, 250..411, 282..401, 521..580, 527..583, 529..582		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o1.tc	Method	TBLASTX:Cress
Start	379	End	1684
GI	none	Score	41
Exons	379..411, 527..718, 529..717, 1344..1439, 1345..1677, 1346..1684		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	566	End	2625
GI	none	Score	196
Exons	566..718, 568..717, 1345..1677, 1346..1807, 1367..1810, 1759..1815, 1903..2067, 1905..2066, 2134..2283, 2135..2275,		

2272..2352, 2273..2353, 2335..2481, 2351..2488, 2596..2625

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o2.tm	Method	TBLASTX:Maize
Start	1344	End	1662
GI	none	Score	492
Exons	1344..1427, 1345..1662, 1346..1660		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o1.gp	Method	AAT/GAP
Start	1711	End	2341
GI	uC-osflcyp123a12b1	Score	810
Exons	1711..1806, 1905..2063, 2134..2341		
GI Descrip.	'5441881/dbj|BAA82379.1| 4.0e-10 (AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]'		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	1904	End	2347
GI	none	Score	146
Exons	1904..2065, 1905..2066, 1906..2067, 1906..2067, 1943..2068, 2066..2344, 2133..2345, 2134..2346, 2135..2347		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o2.tc	Method	TBLASTX:Cress
Start	1969	End	2488
GI	none	Score	135
Exons	1969..2067, 1971..2066, 2087..2272, 2133..2273, 2134..2274, 2135..2275, 2273..2353, 2273..2344, 2380..2481, 2381..2488		

Seq. No.	41345	Seq. ID	OJ990624_10.0303.C25
Gene No.	85666	Strand	+
Start	1711	End	2625
Name	OJ990624_10.0303.C25.o4.tm	Method	TBLASTX:Maize
Start	2386	End	2621
GI	none	Score	191
Exons	2386..2487, 2387..2488, 2568..2612, 2571..2621		

Seq. No.	41346	Seq. ID	OJ990624_10.0303.C32
Gene No.	85667	Strand	
Start	376	End	1220
Name	OJ990624_10.0303.C32.o1.tm	Method	TBLASTX:Maize
Start	376	End	1128
GI	none	Score	115
Exons	376..498, 378..506, 378..503, 739..873, 739..873, 975..1001, 976..1128, 1005..1037, 1044..1127		

Seq. No.	41346	Seq. ID	OJ990624_10.0303.C32
Gene No.	85667	Strand	

Start	376	End	1220
Name	OJ990624_10.0303.C32.o1.ts	Method	TBLASTX:Soybean
Start	376	End	1220
GI	none	Score	116
Exons	376..498, 378..503, 739..870, 752..871, 975..1001, 976..1002, 1005..1220, 1006..1155		

Seq. No.	41346	Seq. ID	OJ990624_10.0303.C32
Gene No.	85667	Strand	
Start	376	End	1220
Name	OJ990624_10.0303.C32.o1.tc	Method	TBLASTX:Cress
Start	378	End	1187
GI	none	Score	86
Exons	378..500, 379..495, 739..873, 752..835, 975..1001, 1054..1128, 1062..1187		

Seq. No.	41346	Seq. ID	OJ990624_10.0303.C32
Gene No.	85667	Strand	
Start	376	End	1220
Name	OJ990624_10.0303.C32.o1.tw	Method	TBLASTX:Wheat
Start	405	End	1115
GI	none	Score	69
Exons	405..494, 405..503, 406..513, 724..861, 725..829, 736..882, 975..1001, 1005..1115, 1006..1107		

Seq. No.	41347	Seq. ID	OJ990624_10.0303.C36
Gene No.	85668	Strand	+
Start	2580	End	3316
Name	OJ990624_10.0303.C36.o1.tm	Method	TBLASTX:Maize
Start	1064	End	1264
GI	none	Score	203
Exons	1064..1264, 1065..1247		

Seq. No.	41347	Seq. ID	OJ990624_10.0303.C36
Gene No.	85668	Strand	+
Start	2580	End	3316
Name	OJ990624_10.0303.C36.o1.gp	Method	AAT/GAP
Start	2580	End	3316
GI	101153_1.R1084	Score	377
Exons	2580..2619, 3067..3316		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41348	Seq. ID	OJ990624_10.0303.C59
Gene No.	85669	Strand	+
Start	13	End	440
Name	OJ990624_10.0303.C59.o1.gp	Method	AAT/GAP
Start	13	End	440
GI	4878407	Score	657
Exons	13..440		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	41349	Seq. ID	OJ990624_10.0303.C67
Gene No.	85670	Strand	
Start	5	End	175
Name	OJ990624_10.0303.C67.o1.tm	Method	TBLASTX:Maize

Start	5	End	175
GI	none	Score	175
Exons	5..175, 6..173		

Seq. No.	41350	Seq. ID	OJ990604_07.0310.C1
Gene No.	85671	Strand	+
Start	703	End	1991
Name	OJ990604_07.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	81	End	263
GI	none	Score	250
Exons	81..263, 81..242		

Seq. No.	41350	Seq. ID	OJ990604_07.0310.C1
Gene No.	85671	Strand	+
Start	703	End	1991
Name	OJ990604_07.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	81	End	742
GI	none	Score	360
Exons	81..293, 81..293, 82..294, 82..294, 140..301, 639..740, 640..741, 641..742		

Seq. No.	41350	Seq. ID	OJ990604_07.0310.C1
Gene No.	85671	Strand	+
Start	703	End	1991
Name	OJ990604_07.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	639	End	1013
GI	none	Score	83
Exons	639..740, 640..738, 640..741, 641..742, 846..1013, 846..1001, 851..1012		

Seq. No.	41350	Seq. ID	OJ990604_07.0310.C1
Gene No.	85671	Strand	+
Start	703	End	1991
Name	OJ990604_07.0310.C1.o1.gp	Method	AAT/GAP
Start	703	End	1991
GI	38270_1.R1084	Score	986
Exons	703..742, 849..1154, 1815..1991		
GI Descrip.	'3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]'		

Seq. No.	41350	Seq. ID	OJ990604_07.0310.C1
Gene No.	85671	Strand	+
Start	703	End	1991
Name	OJ990604_07.0310.C1.o2.tm	Method	TBLASTX:Maize
Start	846	End	1093
GI	none	Score	337
Exons	846..1082, 851..1078, 857..1093, 925..1092		

Seq. No.	41351	Seq. ID	OJ990604_07.0310.C2
Gene No.	85672	Strand	+
Start	841	End	918
Name	OJ990604_07.0310.C2.o1.gp	Method	AAT/GAP
Start	841	End	918
GI	32946_1.R1084	Score	152
Exons	841..918		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	41352	Seq. ID	OJ990604_07.0310.C3
Gene No.	85673	Strand	
Start	1	End	203
Name	OJ990604_07.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	203
GI	none	Score	249
Exons	1..192, 1..192, 6..203		

Seq. No.	41352	Seq. ID	OJ990604_07.0310.C3
Gene No.	85673	Strand	
Start	1	End	203
Name	OJ990604_07.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	4	End	183
GI	none	Score	203
Exons	4..183, 9..179		

Seq. No.	41353	Seq. ID	OJ990604_07.0310.C4
Gene No.	85674	Strand	
Start	219	End	462
Name	OJ990604_07.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	219	End	456
GI	none	Score	241
Exons	219..455, 244..456		

Seq. No.	41353	Seq. ID	OJ990604_07.0310.C4
Gene No.	85674	Strand	
Start	219	End	462
Name	OJ990604_07.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	237	End	462
GI	none	Score	204
Exons	237..404, 237..407, 238..405, 429..455, 430..462		

Seq. No.	41354	Seq. ID	OJ990604_07.0310.C5
Gene No.	85675	Strand	+
Start	1064	End	1399
Name	OJ990604_07.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	608	End	1027
GI	none	Score	100
Exons	608..688, 611..682, 630..689, 767..1027, 771..1016, 773..1024		

Seq. No.	41354	Seq. ID	OJ990604_07.0310.C5
Gene No.	85675	Strand	+
Start	1064	End	1399
Name	OJ990604_07.0310.C5.o2.ts	Method	TBLASTX:Soybean
Start	608	End	895
GI	none	Score	90
Exons	608..682, 608..688, 609..692, 630..689, 767..895, 771..893		

Seq. No.	41354	Seq. ID	OJ990604_07.0310.C5
Gene No.	85675	Strand	+
Start	1064	End	1399
Name	OJ990604_07.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	896	End	1259
GI	none	Score	207
Exons	896..1156, 897..1139, 1178..1246, 1188..1259		

Seq. No.	41354	Seq. ID	OJ990604_07.0310.C5
Gene No.	85675	Strand	+
Start	1064	End	1399
Name	OJ990604_07.0310.C5.o1.gp	Method	AAT/GAP
Start	1064	End	1399
GI	uC-osflM202089e01b1	Score	639
Exons	1064..1399		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41355	Seq. ID	OJ990604_07.0310.C6
Gene No.	85676	Strand	
Start	102	End	347
Name	OJ990604_07.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	102	End	347
GI	none	Score	177
Exons	102..269, 103..270, 103..270, 263..337, 267..347, 268..345		

Seq. No.	41356	Seq. ID	OJ990604_07.0310.C7
Gene No.	85677	Strand	
Start	2888	End	3340
Name	OJ990604_07.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	2888	End	3340
GI	none	Score	69
Exons	2888..3004, 2891..3013, 3014..3190, 3020..3184, 3055..3339, 3056..3340		

Seq. No.	41356	Seq. ID	OJ990604_07.0310.C7
Gene No.	85677	Strand	
Start	2888	End	3340
Name	OJ990604_07.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	3070	End	3340
GI	none	Score	437
Exons	3070..3339, 3071..3340, 3077..3340		

Seq. No.	41357	Seq. ID	OJ990604_07.0310.C16
Gene No.	85678	Strand	
Start	2	End	319
Name	OJ990604_07.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	319
GI	none	Score	127
Exons	2..298, 2..292, 128..247, 245..319		

Seq. No.	41358	Seq. ID	OJ990604_07.0310.C17
Gene No.	85679	Strand	-
Start	933	End	1085
Name	OJ990604_07.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	177
GI	none	Score	203
Exons	1..177, 3..176		

Seq. No.	41358	Seq. ID	OJ990604_07.0310.C17
Gene No.	85679	Strand	-
Start	933	End	1085
Name	OJ990604_07.0310.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	168
GI	none	Score	152

Exons	1..93, 3..83, 44..94, 76..165, 82..168		
Seq. No.	41358	Seq. ID	OJ990604_07.0310.C17
Gene No.	85679	Strand	-
Start	933	End	1085
Name	OJ990604_07.0310.C17.o1.gp	Method	AAT/GAP
Start	933	End	1085
GI	2798111	Score	306
Exons	933..1085		
Seq. No.	41358	Seq. ID	OJ990604_07.0310.C17
Gene No.	85680	Strand	
Start	1026	End	2178
Name	OJ990604_07.0310.C17.o2.tm	Method	TBLASTX:Maize
Start	1026	End	2178
GI	none	Score	56
Exons	1026..1097, 1028..1093, 1170..1271, 1171..1272, 1171..1272, 1172..1273, 1616..1741, 1620..1742, 2115..2177, 2116..2178		
Seq. No.	41359	Seq. ID	OJ990604_07.0310.C22
Gene No.	85681	Strand	+
Start	277	End	789
Name	OJ990604_07.0310.C22.o1.tw	Method	TBLASTX:Wheat
Start	76	End	627
GI	none	Score	86
Exons	76..216, 274..540, 291..440, 543..614, 547..627		
Seq. No.	41359	Seq. ID	OJ990604_07.0310.C22
Gene No.	85681	Strand	+
Start	277	End	789
Name	OJ990604_07.0310.C22.o1.gp	Method	AAT/GAP
Start	277	End	632
GI	uC-osflcyp139c12a1	Score	589
Exons	277..632		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		
Seq. No.	41359	Seq. ID	OJ990604_07.0310.C22
Gene No.	85681	Strand	+
Start	277	End	789
Name	OJ990604_07.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	279	End	705
GI	none	Score	700
Exons	279..704, 283..705		
Seq. No.	41359	Seq. ID	OJ990604_07.0310.C22
Gene No.	85681	Strand	+
Start	277	End	789
Name	OJ990604_07.0310.C22.o1.ts	Method	TBLASTX:Soybean
Start	310	End	789
GI	none	Score	348
Exons	310..618, 315..605, 643..789		
Seq. No.	41359	Seq. ID	OJ990604_07.0310.C22
Gene No.	85681	Strand	+

Start	277	End	789
Name	OJ990604_07.0310.C22.o1.tc	Method	TBLASTX:Cress
Start	325	End	765
GI	none	Score	203
Exons	325..621, 375..407, 465..611, 643..765		

Seq. No.	41360	Seq. ID	OJ990604_07.0310.C23
Gene No.	85682	Strand	-
Start	1	End	314
Name	OJ990604_07.0310.C23.o1.gp	Method	AAT/GAP
Start	1	End	314
GI	86158_1.R1084	Score	409
Exons	1..161, 186..314		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	41360	Seq. ID	OJ990604_07.0310.C23
Gene No.	85683	Strand	-
Start	410	End	1749
Name	OJ990604_07.0310.C23.o2.gp	Method	AAT/GAP
Start	410	End	1654
GI	LIB3431-026-P1-K1-D11	Score	383
Exons	410..523, 1419..1478, 1587..1654		
GI Descrip.	'2688839 3.0e-54 (AF003347) ATP phosphoribosyltransferase [Thlaspi goesingense]'		

Seq. No.	41360	Seq. ID	OJ990604_07.0310.C23
Gene No.	85683	Strand	-
Start	410	End	1749
Name	OJ990604_07.0310.C23.o1.tm	Method	TBLASTX:Maize
Start	413	End	1749
GI	none	Score	157
Exons	413..523, 414..521, 417..527, 1416..1484, 1423..1479, 1582..1749, 1587..1748		

Seq. No.	41361	Seq. ID	OJ990604_07.0310.C25
Gene No.	85684	Strand	
Start	178	End	729
Name	OJ990604_07.0310.C25.o1.tm	Method	TBLASTX:Maize
Start	178	End	534
GI	none	Score	83
Exons	178..309, 203..241, 210..260, 268..534, 289..381, 294..533, 427..534		

Seq. No.	41361	Seq. ID	OJ990604_07.0310.C25
Gene No.	85684	Strand	
Start	178	End	729
Name	OJ990604_07.0310.C25.o1.ts	Method	TBLASTX:Soybean
Start	274	End	729
GI	none	Score	93
Exons	274..396, 369..395, 417..515, 418..516, 504..707, 505..729, 661..729		

Seq. No.	41362	Seq. ID	OJ990604_07.0310.C28
Gene No.	85685	Strand	-
Start	275	End	570
Name	OJ990604_07.0310.C28.o1.ts	Method	TBLASTX:Soybean

Start	76	End	570
GI	none	Score	91
Exons	76..321, 86..325, 87..332, 201..329, 408..437, 447..569, 454..570		

Seq. No.	41362	Seq. ID	OJ990604_07.0310.C28
Gene No.	85685	Strand	-
Start	275	End	570
Name	OJ990604_07.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	86	End	325
GI	none	Score	212
Exons	86..325, 87..320, 95..325		

Seq. No.	41362	Seq. ID	OJ990604_07.0310.C28
Gene No.	85685	Strand	-
Start	275	End	570
Name	OJ990604_07.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	117	End	513
GI	none	Score	196
Exons	117..320, 119..325, 123..329, 124..339, 391..510, 407..511, 408..512, 409..513		

Seq. No.	41362	Seq. ID	OJ990604_07.0310.C28
Gene No.	85685	Strand	-
Start	275	End	570
Name	OJ990604_07.0310.C28.o1.gp	Method	AAT/GAP
Start	275	End	568
GI	32946_1.R1084	Score	367
Exons	275..322, 405..568		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	41363	Seq. ID	OJ990604_07.0310.C31
Gene No.	85686	Strand	-
Start	136	End	610
Name	OJ990604_07.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	2	End	279
GI	none	Score	74
Exons	2..112, 6..116, 156..278, 162..278, 163..279		

Seq. No.	41363	Seq. ID	OJ990604_07.0310.C31
Gene No.	85686	Strand	-
Start	136	End	610
Name	OJ990604_07.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	14	End	610
GI	none	Score	59
Exons	14..85, 162..287, 211..279, 272..448, 273..431, 482..610, 504..602		

Seq. No.	41363	Seq. ID	OJ990604_07.0310.C31
Gene No.	85686	Strand	-
Start	136	End	610
Name	OJ990604_07.0310.C31.o1.gp	Method	AAT/GAP
Start	136	End	567
GI	5701669	Score	837
Exons	136..567		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	41364	Seq. ID	OJ990604_07.0310.C32
Gene No.	85687	Strand	-
Start	1	End	394
Name	OJ990604_07.0310.C32.o1.gp	Method	AAT/GAP
Start	1	End	394
GI	7406_1.R1084	Score	634
Exons	1..394		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41365	Seq. ID	OJ990604_07.0310.C37
Gene No.	85688	Strand	-
Start	472	End	594
Name	OJ990604_07.0310.C37.o1.gp	Method	AAT/GAP
Start	472	End	594
GI	LIB3431-033-P1-K1-H1	Score	211
Exons	472..594		
GI Descrip.	'584741/sp|Q05753|AKR_ARATH 3.0e-36 ANKYRIN REPEAT PROTEIN (AKRP) >gi_322461_pir__JQ1729 ankyrin-repeat protein - Arabidopsis thaliana >gi_166744 (M82883) ankyrin repeat-containing protein [Arabidopsis thaliana]'		

Seq. No.	41366	Seq. ID	OJ990604_07.0310.C46
Gene No.	85689	Strand	+
Start	840	End	1176
Name	OJ990604_07.0310.C46.o1.gp	Method	AAT/GAP
Start	840	End	1176
GI	2801015	Score	627
Exons	840..1176		
GI Descrip.	4926866/gb|AAD32946.1|AC007509_1 8.0e-14 (AC007509) putative amp-binding protein [Arabidopsis thaliana]		

Seq. No.	41367	Seq. ID	OJ990604_07.0310.C52
Gene No.	85690	Strand	
Start	2262	End	4389
Name	OJ990604_07.0310.C52.o1.tm	Method	TBLASTX:Maize
Start	2262	End	4200
GI	none	Score	89
Exons	2262..2363, 2263..2364, 2444..2647, 2451..2648, 2737..2889, 2751..2867, 4110..4196, 4110..4199, 4111..4200		

Seq. No.	41367	Seq. ID	OJ990604_07.0310.C52
Gene No.	85690	Strand	
Start	2262	End	4389
Name	OJ990604_07.0310.C52.o1.ts	Method	TBLASTX:Soybean
Start	2289	End	2852
GI	none	Score	63
Exons	2289..2363, 2295..2360, 2296..2364, 2444..2647, 2447..2575, 2451..2648, 2737..2844, 2740..2844, 2741..2851, 2751..2852, 2780..2851		

Seq. No.	41367	Seq. ID	OJ990604_07.0310.C52
Gene No.	85690	Strand	
Start	2262	End	4389

Name	OJ990604_07.0310.C52.o1.tc	Method	TBLASTX:Cress
Start	2298	End	4379
GI	none	Score	70
Exons	2298..2363, 2308..2364, 2444..2557, 2451..2543, 2612..2647, 2737..2868, 2751..2867, 4113..4205, 4114..4206, 4284..4376, 4293..4379		

Seq. No.	41367	Seq. ID	OJ990604_07.0310.C52
Gene No.	85690	Strand	
Start	2262	End	4389
Name	OJ990604_07.0310.C52.o2.ts	Method	TBLASTX:Soybean
Start	4110	End	4389
GI	none	Score	118
Exons	4110..4208, 4110..4208, 4111..4209, 4278..4376, 4290..4388, 4291..4389		

Seq. No.	41368	Seq. ID	OJ990604_07.0310.C53
Gene No.	85691	Strand	
Start	686	End	1041
Name	OJ990604_07.0310.C53.o1.tm	Method	TBLASTX:Maize
Start	686	End	1041
GI	none	Score	374
Exons	686..1033, 698..859, 705..1037, 714..1037, 715..1041		

Seq. No.	41369	Seq. ID	OJ990604_07.0310.C60
Gene No.	85692	Strand	
Start	68	End	280
Name	OJ990604_07.0310.C60.o2.tw	Method	TBLASTX:Wheat
Start	68	End	280
GI	none	Score	236
Exons	68..280, 70..255		

Seq. No.	41369	Seq. ID	OJ990604_07.0310.C60
Gene No.	85693	Strand	
Start	226	End	733
Name	OJ990604_07.0310.C60.o1.tm	Method	TBLASTX:Maize
Start	226	End	610
GI	none	Score	359
Exons	226..591, 227..610		

Seq. No.	41369	Seq. ID	OJ990604_07.0310.C60
Gene No.	85693	Strand	
Start	226	End	733
Name	OJ990604_07.0310.C60.o1.tw	Method	TBLASTX:Wheat
Start	283	End	703
GI	none	Score	478
Exons	283..696, 284..703		

Seq. No.	41369	Seq. ID	OJ990604_07.0310.C60
Gene No.	85693	Strand	
Start	226	End	733
Name	OJ990604_07.0310.C60.o1.ts	Method	TBLASTX:Soybean
Start	332	End	733
GI	none	Score	272
Exons	332..733, 379..522		

Seq. No.	41370	Seq. ID	OJ990604_07.0310.C63

Gene No.	85694	Strand	
Start	387	End	808
Name	OJ990604_07.0310.C63.o1.tc	Method	TBLASTX:Cress
Start	387	End	806
GI	none	Score	158
Exons	387..512, 388..513, 623..805,	630..806, 630..806	

Seq. No.	41370	Seq. ID	OJ990604_07.0310.C63
Gene No.	85694	Strand	
Start	387	End	808
Name	OJ990604_07.0310.C63.o1.tm	Method	TBLASTX:Maize
Start	387	End	808
GI	none	Score	55
Exons	387..503, 387..506, 388..510,	388..510, 630..806, 638..808	

Seq. No.	41370	Seq. ID	OJ990604_07.0310.C63
Gene No.	85694	Strand	
Start	387	End	808
Name	OJ990604_07.0310.C63.o1.ts	Method	TBLASTX:Soybean
Start	414	End	806
GI	none	Score	151
Exons	414..512, 415..513, 630..806,	642..806	

Seq. No.	41370	Seq. ID	OJ990604_07.0310.C63
Gene No.	85694	Strand	
Start	387	End	808
Name	OJ990604_07.0310.C63.o1.tw	Method	TBLASTX:Wheat
Start	630	End	806
GI	none	Score	186
Exons	630..806, 630..806		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o1.tm	Method	TBLASTX:Maize
Start	105	End	2520
GI	none	Score	92
Exons	105..167, 105..251, 107..265,	107..262, 261..368, 267..368,	
	286..369, 360..479, 360..479,	472..552, 474..554, 478..552,	
	532..765, 533..769, 558..770,	558..776, 859..960, 862..957,	
	863..961, 866..961, 2138..2203,	2138..2203, 2139..2204,	
	2139..2234, 2207..2263, 2208..2264,	2379..2504, 2380..2511,	
	2381..2518, 2503..2520		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o2.ts	Method	TBLASTX:Soybean
Start	555	End	960
GI	none	Score	254
Exons	555..770, 566..682, 582..785,	859..960, 863..958	

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o2.tc	Method	TBLASTX:Cress
Start	564	End	946

GI	none	Score	222
Exons	564..767, 566..676, 582..815, 863..946		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o1.tc	Method	TBLASTX:Cress
Start	2138	End	2778
GI	none	Score	158
Exons	2138..2263, 2139..2264, 2374..2556, 2381..2557, 2381..2557, 2719..2778		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o1.ts	Method	TBLASTX:Soybean
Start	2165	End	3306
GI	none	Score	151
Exons	2165..2263, 2166..2264, 2379..2555, 2381..2557, 2393..2557, 2715..2837, 2718..2855, 2719..2862, 2725..2856, 2726..2869, 2726..2857, 3097..3306, 3105..3305		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o1.tw	Method	TBLASTX:Wheat
Start	2381	End	2829
GI	none	Score	186
Exons	2381..2557, 2725..2829, 2733..2828		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o2.tm	Method	TBLASTX:Maize
Start	2717	End	3527
GI	none	Score	164
Exons	2717..2854, 2718..2855, 2719..2862, 2719..2856, 3096..3299, 3097..3315, 3103..3300, 3378..3521, 3402..3527, 3403..3525		

Seq. No.	41371	Seq. ID	OJ990604_07.0310.C66
Gene No.	85695	Strand	
Start	105	End	3527
Name	OJ990604_07.0310.C66.o3.tc	Method	TBLASTX:Cress
Start	2779	End	3317
GI	none	Score	101
Exons	2779..2862, 3103..3315, 3103..3300, 3111..3317		

Seq. No.	41372	Seq. ID	OJ990604_07.0310.C67
Gene No.	85696	Strand	+
Start	3067	End	3772
Name	OJ990604_07.0310.C67.o1.ts	Method	TBLASTX:Soybean
Start	1212	End	3325
GI	none	Score	141
Exons	1212..1328, 1242..1328, 1886..2071, 1918..2073, 2060..2419, 2080..2370, 2782..2961, 2805..2963, 2805..2960, 3031..3270, 3069..3275, 3071..3325, 3071..3322		

Seq. No.	41372	Seq. ID	OJ990604_07.0310.C67
Gene No.	85696	Strand	+
Start	3067	End	3772
Name	OJ990604_07.0310.C67.o1.tm	Method	TBLASTX:Maize
Start	1242	End	3729
GI	none	Score	73
Exons	1242..1328, 1243..1314, 1249..1332, 1251..1328, 1886..2065, 1918..2064, 2060..2419, 2071..2415, 2782..2934, 2801..2929, 2802..2939, 2805..2933, 3068..3325, 3068..3316, 3106..3330, 3520..3630, 3525..3608, 3634..3729, 3655..3729		

Seq. No.	41372	Seq. ID	OJ990604_07.0310.C67
Gene No.	85696	Strand	+
Start	3067	End	3772
Name	OJ990604_07.0310.C67.o1.tc	Method	TBLASTX:Cress
Start	1954	End	3729
GI	none	Score	158
Exons	1954..2064, 1955..2065, 2060..2443, 2080..2415, 2779..2961, 2803..2910, 3124..3321, 3125..3325, 3130..3330, 3520..3624, 3525..3596, 3637..3729, 3684..3728		

Seq. No.	41372	Seq. ID	OJ990604_07.0310.C67
Gene No.	85696	Strand	+
Start	3067	End	3772
Name	OJ990604_07.0310.C67.o1.tw	Method	TBLASTX:Wheat
Start	2871	End	3259
GI	none	Score	110
Exons	2871..2963, 2872..2961, 3019..3258, 3020..3259, 3068..3259		

Seq. No.	41372	Seq. ID	OJ990604_07.0310.C67
Gene No.	85696	Strand	+
Start	3067	End	3772
Name	OJ990604_07.0310.C67.o2.gp	Method	AAT/GAP
Start	3067	End	3344
GI	3107389	Score	541
Exons	3067..3344		
GI Descrip.	3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]		

Seq. No.	41372	Seq. ID	OJ990604_07.0310.C67
Gene No.	85696	Strand	+
Start	3067	End	3772
Name	OJ990604_07.0310.C67.o2.ts	Method	TBLASTX:Soybean
Start	3517	End	3772
GI	none	Score	142
Exons	3517..3624, 3521..3622, 3522..3623, 3524..3634, 3637..3729, 3641..3772, 3652..3729		

Seq. No.	41373	Seq. ID	OJ990604_07.0310.C69
Gene No.	85697	Strand	+
Start	412	End	596
Name	OJ990604_07.0310.C69.o1.tw	Method	TBLASTX:Wheat
Start	5	End	355
GI	none	Score	98
Exons	5..178, 33..179, 49..180, 275..355, 276..338, 307..342		

Seq. No.	41373	Seq. ID	OJ990604_07.0310.C69

Gene No.	85697	Strand	+
Start	412	End	596
Name	OJ990604_07.0310.C69.o1.tm	Method	TBLASTX:Maize
Start	14	End	343
GI	none	Score	94
Exons	14..178, 18..179, 275..343		

Seq. No.	41373	Seq. ID	OJ990604_07.0310.C69
Gene No.	85697	Strand	+
Start	412	End	596
Name	OJ990604_07.0310.C69.o1.ts	Method	TBLASTX:Soybean
Start	32	End	373
GI	none	Score	72
Exons	32..166, 33..149, 44..184, 254..373, 255..338		

Seq. No.	41373	Seq. ID	OJ990604_07.0310.C69
Gene No.	85697	Strand	+
Start	412	End	596
Name	OJ990604_07.0310.C69.o1.gp	Method	AAT/GAP
Start	412	End	596
GI	none	Score	358
Exons	412..596		

Seq. No.	41374	Seq. ID	OJ990604_07.0310.C71
Gene No.	85698	Strand	-
Start	628	End	884
Name	OJ990604_07.0310.C71.o1.gp	Method	AAT/GAP
Start	628	End	884
GI	3762144	Score	447
Exons	628..884		

Seq. No.	41374	Seq. ID	OJ990604_07.0310.C71
Gene No.	85699	Strand	
Start	834	End	1094
Name	OJ990604_07.0310.C71.o1.tm	Method	TBLASTX:Maize
Start	834	End	1094
GI	none	Score	287
Exons	834..1088, 835..1092, 960..1094		

Seq. No.	41374	Seq. ID	OJ990604_07.0310.C71
Gene No.	85699	Strand	
Start	834	End	1094
Name	OJ990604_07.0310.C71.o1.ts	Method	TBLASTX:Soybean
Start	840	End	1065
GI	none	Score	140
Exons	840..1058, 841..1065		

Seq. No.	41375	Seq. ID	OJ990604_07.0310.C73
Gene No.	85700	Strand	+
Start	977	End	2304
Name	OJ990604_07.0310.C73.o1.ts	Method	TBLASTX:Soybean
Start	382	End	908
GI	none	Score	103
Exons	382..474, 383..445, 669..908, 685..900, 731..907		

Seq. No.	41375	Seq. ID	OJ990604_07.0310.C73
Gene No.	85700	Strand	+

Start	977	End	2304
Name	OJ990604_07.0310.C73.o1.tm	Method	TBLASTX:Maize
Start	734	End	1022
GI	none	Score	305
Exons	734..1015, 734..781, 735..1022, 964..1017		

Seq. No.	41375	Seq. ID	OJ990604_07.0310.C73
Gene No.	85700	Strand	+
Start	977	End	2304
Name	OJ990604_07.0310.C73.o1.gp	Method	AAT/GAP
Start	977	End	1766
GI	LIB3433-056-P1-K1-F5	Score	643
Exons	977..1212, 1624..1766		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-19 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	41375	Seq. ID	OJ990604_07.0310.C73
Gene No.	85700	Strand	+
Start	977	End	2304
Name	OJ990604_07.0310.C73.o2.tm	Method	TBLASTX:Maize
Start	1117	End	2304
GI	none	Score	93
Exons	1117..1215, 1122..1157, 1158..1217, 1621..1800, 1623..1799, 2263..2304, 2265..2303, 2266..2304		

Seq. No.	41375	Seq. ID	OJ990604_07.0310.C73
Gene No.	85700	Strand	+
Start	977	End	2304
Name	OJ990604_07.0310.C73.o2.ts	Method	TBLASTX:Soybean
Start	1660	End	2304
GI	5753471	Score	212
Exons	1660..1800, 1662..1799, 2263..2304, 2265..2303		
GI Descrip.	4325342/gb_AAD17341_ 3.0e-31 (AF128393) No definition line found [Arabidopsis thaliana]		

Seq. No.	41376	Seq. ID	OJ990604_07.0310.C74
Gene No.	85701	Strand	+
Start	939	End	1300
Name	OJ990604_07.0310.C74.o2.gp	Method	AAT/GAP
Start	939	End	1300
GI	LIB3479-006-Q6-K1-B11	Score	493
Exons	939..1300		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41376	Seq. ID	OJ990604_07.0310.C74
Gene No.	85702	Strand	-
Start	1	End	278
Name	OJ990604_07.0310.C74.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	25586_1.R1084	Score	556
Exons	1..278		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-11 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	41377	Seq. ID	OJ990604_07.0310.C77
Gene No.	85703	Strand	

Start	2781	End	3388
Name	OJ990604_07.0310.C77.o2.tm	Method	TBLASTX:Maize
Start	2781	End	2918
GI	none	Score	114
Exons	2781..2918, 2794..2913		

Seq. No.	41377	Seq. ID	OJ990604_07.0310.C77
Gene No.	85703	Strand	
Start	2781	End	3388
Name	OJ990604_07.0310.C77.o2.tw	Method	TBLASTX:Wheat
Start	2787	End	3388
GI	none	Score	81
Exons	2787..2912, 2791..2913, 3078..3248, 3097..3387, 3104..3388, 3105..3248, 3285..3383, 3325..3384		

Seq. No.	41377	Seq. ID	OJ990604_07.0310.C77
Gene No.	85704	Strand	
Start	3389	End	3907
Name	OJ990604_07.0310.C77.o1.tw	Method	TBLASTX:Wheat
Start	3389	End	3770
GI	none	Score	169
Exons	3389..3769, 3420..3668, 3428..3673, 3714..3770		

Seq. No.	41377	Seq. ID	OJ990604_07.0310.C77
Gene No.	85704	Strand	
Start	3389	End	3907
Name	OJ990604_07.0310.C77.o1.tm	Method	TBLASTX:Maize
Start	3584	End	3907
GI	none	Score	204
Exons	3584..3907, 3597..3878		

Seq. No.	41377	Seq. ID	OJ990604_07.0310.C77
Gene No.	85705	Strand	
Start	4100	End	4412
Name	OJ990604_07.0310.C77.o4.tw	Method	TBLASTX:Wheat
Start	4100	End	4412
GI	none	Score	77
Exons	4100..4360, 4101..4412		

Seq. No.	41377	Seq. ID	OJ990604_07.0310.C77
Gene No.	85706	Strand	
Start	4415	End	4790
Name	OJ990604_07.0310.C77.o3.tw	Method	TBLASTX:Wheat
Start	4415	End	4790
GI	none	Score	88
Exons	4415..4564, 4416..4553, 4598..4663, 4608..4664, 4698..4790, 4699..4782		

Seq. No.	41378	Seq. ID	OJ990604_07.0310.C78
Gene No.	85707	Strand	
Start	614	End	1121
Name	OJ990604_07.0310.C78.o1.ts	Method	TBLASTX:Soybean
Start	614	End	1015
GI	none	Score	87
Exons	614..1015, 825..968		

Seq. No.	41378	Seq. ID	OJ990604_07.0310.C78

Gene No.	85707	Strand	
Start	614	End	1121
Name	OJ990604_07.0310.C78.o1.tw	Method	TBLASTX:Wheat
Start	644	End	1064
GI	none	Score	312
Exons	644..1063, 651..1064		

Seq. No.	41378	Seq. ID	OJ990604_07.0310.C78
Gene No.	85707	Strand	
Start	614	End	1121
Name	OJ990604_07.0310.C78.o1.tm	Method	TBLASTX:Maize
Start	737	End	1121
GI	none	Score	230
Exons	737..1120, 756..1121		

Seq. No.	41378	Seq. ID	OJ990604_07.0310.C78
Gene No.	85708	Strand	
Start	1148	End	1424
Name	OJ990604_07.0310.C78.o2.tm	Method	TBLASTX:Maize
Start	1148	End	1424
GI	none	Score	115
Exons	1148..1408, 1148..1411, 1158..1424		

Seq. No.	41378	Seq. ID	OJ990604_07.0310.C78
Gene No.	85708	Strand	
Start	1148	End	1424
Name	OJ990604_07.0310.C78.o2.tw	Method	TBLASTX:Wheat
Start	1172	End	1409
GI	none	Score	130
Exons	1172..1408, 1178..1408, 1179..1409		

Seq. No.	41379	Seq. ID	OJ990604_07.0310.C80
Gene No.	85709	Strand	
Start	57	End	1721
Name	OJ990604_07.0310.C80.o1.tm	Method	TBLASTX:Maize
Start	57	End	1628
GI	none	Score	184
Exons	57..509, 57..284, 63..194, 105..614, 209..676, 210..719, 231..707, 239..403, 315..818, 426..929, 525..1034, 651..1139, 735..1202, 755..1036, 840..1328, 944..1045, 951..1454, 1050..1574, 1155..1622, 1260..1628, 1346..1471		

Seq. No.	41379	Seq. ID	OJ990604_07.0310.C80
Gene No.	85709	Strand	
Start	57	End	1721
Name	OJ990604_07.0310.C80.o1.ts	Method	TBLASTX:Soybean
Start	57	End	1721
GI	none	Score	148
Exons	57..326, 57..626, 60..131, 63..641, 65..439, 72..440, 86..310, 105..287, 186..1046, 279..641, 315..488, 396..1268, 501..1277, 594..803, 702..1070, 774..965, 833..1012, 837..1586, 840..1013, 846..1481, 857..1171, 887..1042, 920..1048, 945..1118, 1026..1634, 1028..1162, 1116..1550, 1119..1550, 1254..1721, 1356..1649, 1359..1478, 1359..1622, 1383..1559		

Seq. No.	41379	Seq. ID	OJ990604_07.0310.C80
Gene No.	85709	Strand	

Start	57	End	1721
Name	OJ990604_07.0310.C80.o1.tc	Method	TBLASTX:Cress
Start	60	End	1589
GI	none	Score	146
Exons	60..326, 63..440, 63..239, 66..239, 66..230, 71..436, 81..161, 83..235, 129..341, 143..301, 174..536, 188..499, 228..437, 243..362, 266..409, 291..668, 387..749, 485..583, 486..674, 489..878, 521..802, 564..791, 597..965, 663..1070, 774..1001, 804..1190, 885..1094, 906..992, 921..1277, 972..1211, 1011..1076, 1026..1376, 1026..1094, 1089..1286, 1106..1303, 1121..1210, 1131..1478, 1158..1421, 1172..1423, 1254..1586, 1299..1514, 1359..1589		

Seq. No.	41380	Seq. ID	OJ990604_07.0310.C81
Gene No.	85710	Strand	
Start	43	End	381
Name	OJ990604_07.0310.C81.o1.tm	Method	TBLASTX:Maize
Start	43	End	381
GI	none	Score	275
Exons	43..111, 44..337, 47..334, 181..336, 361..381		

Seq. No.	41381	Seq. ID	OJ990604_07.0310.C84
Gene No.	85711	Strand	
Start	519	End	739
Name	OJ990604_07.0310.C84.o1.tc	Method	TBLASTX:Cress
Start	519	End	701
GI	none	Score	250
Exons	519..701, 519..680		

Seq. No.	41381	Seq. ID	OJ990604_07.0310.C84
Gene No.	85711	Strand	
Start	519	End	739
Name	OJ990604_07.0310.C84.o1.tm	Method	TBLASTX:Maize
Start	519	End	739
GI	none	Score	360
Exons	519..731, 519..731, 520..732, 520..732, 587..739, 668..733		

Seq. No.	41382	Seq. ID	OJ990604_07.0310.C85
Gene No.	85712	Strand	+
Start	2410	End	2698
Name	OJ990604_07.0310.C85.o2.tm	Method	TBLASTX:Maize
Start	854	End	1021
GI	none	Score	188
Exons	854..1021, 856..1020, 890..934, 962..1018		

Seq. No.	41382	Seq. ID	OJ990604_07.0310.C85
Gene No.	85712	Strand	+
Start	2410	End	2698
Name	OJ990604_07.0310.C85.o1.tc	Method	TBLASTX:Cress
Start	857	End	2189
GI	none	Score	74
Exons	857..943, 857..955, 857..925, 857..931, 959..1039, 965..1030, 971..1009, 1025..1291, 1028..1204, 1028..1405, 1031..1204, 1031..1195, 1036..1401, 1046..1126, 1048..1200, 1094..1306, 1108..1266, 1139..1501, 1153..1464, 1193..1402, 1208..1327, 1231..1374, 1256..1633, 1256..1402, 1352..1714, 1451..1639, 1454..1843, 1493..1756, 1513..1632, 1634..1759, 1739..1906,		

1769..1906, 1911..2150, 1911..2009, 1914..2177, 1917..2129,
1965..2153, 2028..2189

Seq. No.	41382	Seq. ID	OJ990604_07.0310.C85
Gene No.	85712	Strand	+
Start	2410	End	2698
Name	OJ990604_07.0310.C85.o1.ts	Method	TBLASTX:Soybean
Start	857	End	2189
GI	none	Score	61
Exons	857..955, 857..955, 962..1006, 968..1030, 1022..1291, 1022..1591, 1025..1096, 1028..1606, 1030..1404, 1037..1405, 1051..1275, 1070..1252, 1151..1906, 1244..1606, 1280..1453, 1346..1711, 1559..1768, 1739..1897, 1742..1783, 1911..2057, 1911..2189, 1911..2102, 1914..2180, 1941..2180, 1965..2162		

Seq. No.	41382	Seq. ID	OJ990604_07.0310.C85
Gene No.	85712	Strand	+
Start	2410	End	2698
Name	OJ990604_07.0310.C85.o1.tm	Method	TBLASTX:Maize
Start	1022	End	2186
GI	none	Score	184
Exons	1022..1474, 1022..1249, 1028..1159, 1070..1585, 1174..1632, 1175..1690, 1196..1672, 1204..1368, 1280..1783, 1391..1894, 1490..1906, 1914..2186, 1914..2180, 1914..2078, 1995..2180		

Seq. No.	41382	Seq. ID	OJ990604_07.0310.C85
Gene No.	85712	Strand	+
Start	2410	End	2698
Name	OJ990604_07.0310.C85.o1.gp	Method	AAT/GAP
Start	2410	End	2698
GI	426253	Score	534
Exons	2410..2698		

Seq. No.	41383	Seq. ID	OJ990604_07.0310.C86
Gene No.	85713	Strand	+
Start	42	End	101
Name	OJ990604_07.0310.C86.o1.gp	Method	AAT/GAP
Start	42	End	101
GI	426253	Score	90
Exons	42..101		

Seq. No.	41383	Seq. ID	OJ990604_07.0310.C86
Gene No.	85714	Strand	
Start	611	End	1042
Name	OJ990604_07.0310.C86.o1.tm	Method	TBLASTX:Maize
Start	611	End	1042
GI	none	Score	71
Exons	611..769, 701..1042, 703..1014		

Seq. No.	41384	Seq. ID	OJ990604_07.0310.C87
Gene No.	85715	Strand	+
Start	3134	End	5534
Name	OJ990604_07.0310.C87.o1.ts	Method	TBLASTX:Soybean
Start	112	End	1507
GI	none	Score	72
Exons	112..315, 196..324, 229..321, 334..468, 343..525, 357..476, 575..949, 584..856, 587..1054, 587..1063, 619..789, 623..1336,		

626..799, 632..1267, 643..957, 665..919, 673..948, 707..1063,
731..904, 812..1435, 814..948, 905..1348, 916..1242, 1040..1507

Seq. No.	41384	Seq. ID	OJ990604_07.0310.C87
Gene No.	85715	Strand	+
Start	3134	End	5534
Name	OJ990604_07.0310.C87.o3.tm	Method	TBLASTX:Maize
Start	112	End	477
GI	none	Score	68
Exons	112..222, 213..470, 214..477, 232..477		

Seq. No.	41384	Seq. ID	OJ990604_07.0310.C87
Gene No.	85715	Strand	+
Start	3134	End	5534
Name	OJ990604_07.0310.C87.o1.tc	Method	TBLASTX:Cress
Start	133	End	1375
GI	none	Score	91
Exons	133..297, 208..318, 229..315, 334..516, 340..510, 343..477, 343..510, 346..384, 379..510, 575..787, 575..856, 590..976, 671..880, 707..1063, 758..997, 812..1162, 875..1102, 892..1089, 917..1255, 944..1207, 958..1209, 1085..1276, 1145..1375		

Seq. No.	41384	Seq. ID	OJ990604_07.0310.C87
Gene No.	85715	Strand	+
Start	3134	End	5534
Name	OJ990604_07.0310.C87.o2.tm	Method	TBLASTX:Maize
Start	575	End	1489
GI	none	Score	62
Exons	575..718, 764..1057, 1085..1243, 1175..1489, 1177..1488		

Seq. No.	41384	Seq. ID	OJ990604_07.0310.C87
Gene No.	85715	Strand	+
Start	3134	End	5534
Name	OJ990604_07.0310.C87.o1.gp	Method	AAT/GAP
Start	3134	End	4030
GI	uC-osf1cyp081e03b1	Score	835
Exons	3134..3339, 3674..3757, 3850..4030		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41384	Seq. ID	OJ990604_07.0310.C87
Gene No.	85715	Strand	+
Start	3134	End	5534
Name	OJ990604_07.0310.C87.o1.tm	Method	TBLASTX:Maize
Start	3671	End	5534
GI	none	Score	52
Exons	3671..3766, 3675..3782, 3676..3750, 3677..3760, 3841..4098, 3849..4133, 3849..4097, 4201..4341, 4202..4390, 4202..4339, 4203..4340, 4204..4341, 4278..4328, 4281..4340, 4286..4459, 4329..4457, 4345..4461, 4357..4458, 4360..4455, 4363..4458, 4364..4459, 4365..4454, 4365..4457, 4366..4455, 4366..4458, 4366..4461, 4366..4446, 4366..4458, 4367..4459, 4367..4459, 4367..4459, 4367..4447, 4367..4459, 4367..4471, 4369..4476, 4369..4458, 4378..4437, 4459..4533, 4462..4557, 4462..4545, 4462..4557, 4462..4533, 4462..4530, 4462..4530, 4463..4543, 4463..4540, 4463..4549, 4463..4549, 4464..4550, 4464..4550, 4464..4526, 4465..4509, 4466..4540, 4468..4554, 4469..4549,		

4469..4516, 4470..4550, 4470..4550, 5475..5534, 5480..5530

Seq. No.	41385	Seq. ID	OJ990604_07.0310.C88
Gene No.	85716	Strand	+
Start	455	End	1826
Name	OJ990604_07.0310.C88.o1.tm	Method	TBLASTX:Maize
Start	306	End	1564
GI	none	Score	81
Exons	306..365, 311..367, 326..367, 370..444, 383..454, 383..466, 473..565, 478..558, 480..566, 569..622, 574..624, 1035..1115, 1058..1117, 1058..1108, 1217..1318, 1218..1319, 1367..1564, 1393..1554		

Seq. No.	41385	Seq. ID	OJ990604_07.0310.C88
Gene No.	85716	Strand	+
Start	455	End	1826
Name	OJ990604_07.0310.C88.o1.gp	Method	AAT/GAP
Start	455	End	1826
GI	none	Score	1174
Exons	455..622, 1061..1116, 1200..1292, 1391..1826		

Seq. No.	41386	Seq. ID	OJ990604_07.0310.C91
Gene No.	85717	Strand	-
Start	886	End	1807
Name	OJ990604_07.0310.C91.o1.tm	Method	TBLASTX:Maize
Start	1	End	213
GI	none	Score	336
Exons	1..213, 3..209		

Seq. No.	41386	Seq. ID	OJ990604_07.0310.C91
Gene No.	85717	Strand	-
Start	886	End	1807
Name	OJ990604_07.0310.C91.o2.ts	Method	TBLASTX:Soybean
Start	1	End	228
GI	none	Score	258
Exons	1..228, 1..180, 3..221		

Seq. No.	41386	Seq. ID	OJ990604_07.0310.C91
Gene No.	85717	Strand	-
Start	886	End	1807
Name	OJ990604_07.0310.C91.o1.gp	Method	AAT/GAP
Start	886	End	1476
GI	uC-osroM202031e06b1	Score	856
Exons	886..1267, 1397..1476		
GI Descrip.	'4454471/gb|AAD20918| 2.0e-21 (AC006234) putative G protein coupled receptor [Arabidopsis thaliana]'		

Seq. No.	41386	Seq. ID	OJ990604_07.0310.C91
Gene No.	85717	Strand	-
Start	886	End	1807
Name	OJ990604_07.0310.C91.o2.tm	Method	TBLASTX:Maize
Start	1019	End	1657
GI	none	Score	74
Exons	1019..1120, 1027..1233, 1034..1129, 1156..1230, 1387..1632, 1388..1657, 1422..1634, 1427..1648		

Seq. No.	41386	Seq. ID	OJ990604_07.0310.C91

Gene No.	85717	Strand	-
Start	886	End	1807
Name	OJ990604_07.0310.C91.o1.ts	Method	TBLASTX:Soybean
Start	1174	End	1635
GI	none	Score	212
Exons	1174..1239, 1394..1480, 1396..1632, 1397..1633, 1399..1635, 1512..1634		

Seq. No.	41386	Seq. ID	OJ990604_07.0310.C91
Gene No.	85717	Strand	-
Start	886	End	1807
Name	OJ990604_07.0310.C91.o1.tw	Method	TBLASTX:Wheat
Start	1427	End	1807
GI	none	Score	196
Exons	1427..1648, 1429..1632, 1775..1807		

Seq. No.	41387	Seq. ID	OJ990604_07.0310.C92
Gene No.	85718	Strand	
Start	1	End	1174
Name	OJ990604_07.0310.C92.o2.ts	Method	TBLASTX:Soybean
Start	1	End	152
GI	none	Score	141
Exons	1..141, 8..151, 12..152		

Seq. No.	41387	Seq. ID	OJ990604_07.0310.C92
Gene No.	85718	Strand	
Start	1	End	1174
Name	OJ990604_07.0310.C92.o1.tm	Method	TBLASTX:Maize
Start	2	End	1030
GI	none	Score	542
Exons	2..526, 5..709, 6..710, 599..1030, 647..805, 695..1027		

Seq. No.	41387	Seq. ID	OJ990604_07.0310.C92
Gene No.	85718	Strand	
Start	1	End	1174
Name	OJ990604_07.0310.C92.o2.tc	Method	TBLASTX:Cress
Start	2	End	532
GI	none	Score	208
Exons	2..358, 5..388, 12..398, 272..448, 296..472, 410..532		

Seq. No.	41387	Seq. ID	OJ990604_07.0310.C92
Gene No.	85718	Strand	
Start	1	End	1174
Name	OJ990604_07.0310.C92.o1.ts	Method	TBLASTX:Soybean
Start	152	End	1033
GI	none	Score	470
Exons	152..355, 188..520, 278..625, 332..619, 380..520, 425..505, 434..1033, 483..1031		

Seq. No.	41387	Seq. ID	OJ990604_07.0310.C92
Gene No.	85718	Strand	
Start	1	End	1174
Name	OJ990604_07.0310.C92.o1.tc	Method	TBLASTX:Cress
Start	644	End	1174
GI	none	Score	124
Exons	644..769, 698..820, 796..945, 797..982, 798..974, 926..1030, 965..1174, 975..1100		

Seq. No.	41387	Seq. ID	OJ990604_07.0310.C92
Gene No.	85718	Strand	
Start	1	End	1174
Name	OJ990604_07.0310.C92.o2.tm	Method	TBLASTX:Maize
Start	1031	End	1165
GI	none	Score	94
Exons	1031..1165, 1035..1100, 1094..1156		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85719	Strand	-
Start	1069	End	1499
Name	OJ990604_07.0310.C100.o1.gp	Method	AAT/GAP
Start	1069	End	1499
GI	32946_1.R1084	Score	572
Exons	1069..1289, 1383..1499		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o1.tm	Method	TBLASTX:Maize
Start	5	End	3296
GI	none	Score	220
Exons	5..307, 73..312, 3031..3258, 3042..3296, 3045..3296		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o1.ts	Method	TBLASTX:Soybean
Start	73	End	3287
GI	none	Score	191
Exons	73..312, 74..313, 76..321, 188..316, 390..419, 447..545, 451..552, 3189..3287		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o1.tw	Method	TBLASTX:Wheat
Start	104	End	495
GI	none	Score	201
Exons	104..307, 106..312, 384..479, 390..491, 391..495		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o2.tm	Method	TBLASTX:Maize
Start	391	End	1461
GI	none	Score	37
Exons	391..417, 393..419, 447..551, 448..549, 1072..1299, 1166..1270, 1195..1293, 1376..1411, 1413..1460, 1414..1461		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o2.ts	Method	TBLASTX:Soybean

Start	1069	End	1412
GI	none	Score	84
Exons	1069..1275, 1204..1272, 1223..1330, 1362..1412		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o2.tw	Method	TBLASTX:Wheat
Start	1087	End	1475
GI	none	Score	140
Exons	1087..1290, 1166..1270, 1195..1293, 1221..1292, 1376..1411, 1381..1413, 1413..1475, 1414..1473		

Seq. No.	41388	Seq. ID	OJ990604_07.0310.C100
Gene No.	85720	Strand	-
Start	2802	End	3296
Name	OJ990604_07.0310.C100.o2.gp	Method	AAT/GAP
Start	2802	End	3146
GI	none	Score	639
Exons	2802..3146		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85721	Strand	-
Start	1002	End	1258
Name	OJ990604_07.0310.C101.o1.gp	Method	AAT/GAP
Start	1002	End	1258
GI	3762144	Score	447
Exons	1002..1258		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-
Start	2689	End	3150
Name	OJ990604_07.0310.C101.o2.tm	Method	TBLASTX:Maize
Start	1208	End	2337
GI	none	Score	287
Exons	1208..1462, 1209..1466, 1334..1468, 2098..2337, 2101..2298, 2105..2335		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-
Start	2689	End	3150
Name	OJ990604_07.0310.C101.o1.ts	Method	TBLASTX:Soybean
Start	1364	End	2580
GI	none	Score	145
Exons	1364..1441, 2098..2340, 2105..2341, 2433..2453, 2464..2580, 2475..2579		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-
Start	2689	End	3150
Name	OJ990604_07.0310.C101.o1.tw	Method	TBLASTX:Wheat
Start	2129	End	2538
GI	none	Score	130
Exons	2129..2335, 2131..2340, 2433..2528, 2437..2538		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-

Start	2689	End	3150
Name	OJ990604_07.0310.C101.o1.tm	Method	TBLASTX:Maize
Start	2433	End	3009
GI	none	Score	347
Exons	2433..2453, 2451..2588, 2452..2793, 2640..2798, 2700..2804, 2702..2803, 2896..3009, 2921..2980, 2929..3006		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-
Start	2689	End	3150
Name	OJ990604_07.0310.C101.o1.tc	Method	TBLASTX:Cress
Start	2502	End	3015
GI	none	Score	92
Exons	2502..2579, 2640..2786, 2650..2781, 2899..3015		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-
Start	2689	End	3150
Name	OJ990604_07.0310.C101.o2.tw	Method	TBLASTX:Wheat
Start	2637	End	2988
GI	none	Score	170
Exons	2637..2798, 2647..2793, 2700..2804, 2702..2803, 2896..2988, 2921..2980		

Seq. No.	41389	Seq. ID	OJ990604_07.0310.C101
Gene No.	85722	Strand	-
Start	2689	End	3150
Name	OJ990604_07.0310.C101.o2.gp	Method	AAT/GAP
Start	2689	End	3150
GI	uC-osroM202010h09b1	Score	601
Exons	2689..2800, 2925..3150		
GI Descrip.	'407938 4.0e-10 (U02494) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	41390	Seq. ID	OJ990604_07.0310.C103
Gene No.	85723	Strand	-
Start	1	End	655
Name	OJ990604_07.0310.C103.o1.gp	Method	AAT/GAP
Start	1	End	380
GI	25586_1.R1084	Score	508
Exons	1..149, 266..380		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-11 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	41390	Seq. ID	OJ990604_07.0310.C103
Gene No.	85723	Strand	-
Start	1	End	655
Name	OJ990604_07.0310.C103.o1.tm	Method	TBLASTX:Maize
Start	1	End	655
GI	none	Score	90
Exons	1..84, 3..83, 3..98, 4..99, 80..151, 91..150, 102..152, 105..161, 266..421, 270..419, 422..652, 424..654, 425..655		

Seq. No.	41390	Seq. ID	OJ990604_07.0310.C103
Gene No.	85723	Strand	-
Start	1	End	655
Name	OJ990604_07.0310.C103.o1.ts	Method	TBLASTX:Soybean
Start	1	End	569

GI	none	Score	127
Exons	1..150, 1..150, 3..152, 266..415, 266..451, 270..431, 494..568, 506..559, 525..569		

Seq. No.	41390	Seq. ID	OJ990604_07.0310.C103
Gene No.	85723	Strand	-
Start	1	End	655
Name	OJ990604_07.0310.C103.o1.tw	Method	TBLASTX:Wheat
Start	102	End	630
GI	none	Score	71
Exons	102..152, 103..150, 105..152, 266..514, 270..515, 270..515, 271..516, 517..630, 518..628		

Seq. No.	41391	Seq. ID	OJ990604_07.0310.C107
Gene No.	85724	Strand	
Start	2	End	890
Name	OJ990604_07.0310.C107.o1.tw	Method	TBLASTX:Wheat
Start	2	End	890
GI	none	Score	98
Exons	2..121, 3..122, 101..160, 102..164, 167..211, 168..209, 206..889, 222..890		

Seq. No.	41391	Seq. ID	OJ990604_07.0310.C107
Gene No.	85724	Strand	
Start	2	End	890
Name	OJ990604_07.0310.C107.o1.tc	Method	TBLASTX:Cress
Start	389	End	840
GI	none	Score	89
Exons	389..538, 389..832, 393..836, 399..836, 658..840		

Seq. No.	41392	Seq. ID	OJ990604_07.0310.C109
Gene No.	85725	Strand	-
Start	751	End	839
Name	OJ990604_07.0310.C109.o1.tm	Method	TBLASTX:Maize
Start	423	End	839
GI	none	Score	44
Exons	423..452, 524..580, 525..644, 540..617, 684..716, 686..715, 720..839		

Seq. No.	41392	Seq. ID	OJ990604_07.0310.C109
Gene No.	85725	Strand	-
Start	751	End	839
Name	OJ990604_07.0310.C109.o1.gp	Method	AAT/GAP
Start	751	End	834
GI	5667191	Score	135
Exons	751..834		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	41393	Seq. ID	OJ990604_07.0310.C113
Gene No.	85726	Strand	+
Start	140	End	2648
Name	OJ990604_07.0310.C113.o2.tm	Method	TBLASTX:Maize
Start	64	End	1165
GI	none	Score	49
Exons	64..105, 75..104, 108..134, 109..150, 188..226, 305..388, 305..388, 1056..1163, 1056..1163, 1057..1164, 1057..1164,		

1058..1165

Seq. No.	41393	Seq. ID	OJ990604_07.0310.C113
Gene No.	85726	Strand	+
Start	140	End	2648
Name	OJ990604_07.0310.C113.o1.gp	Method	AAT/GAP
Start	140	End	2358
GI	5667191	Score	1137
Exons	140..213, 304..388, 1058..1188, 1289..1391, 2006..2151, 2274..2358		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	41393	Seq. ID	OJ990604_07.0310.C113
Gene No.	85726	Strand	+
Start	140	End	2648
Name	OJ990604_07.0310.C113.o1.ts	Method	TBLASTX:Soybean
Start	1060	End	2340
GI	none	Score	102
Exons	1060..1134, 1061..1135, 1132..1179, 1133..1189, 1284..1322, 1288..1320, 1325..1393, 1326..1400, 1326..1400, 1994..2131, 2017..2124, 2272..2340		

Seq. No.	41393	Seq. ID	OJ990604_07.0310.C113
Gene No.	85726	Strand	+
Start	140	End	2648
Name	OJ990604_07.0310.C113.o1.tm	Method	TBLASTX:Maize
Start	1166	End	2648
GI	none	Score	41
Exons	1166..1189, 1166..1189, 1282..1392, 1286..1399, 1290..1394, 1291..1395, 2003..2152, 2003..2155, 2029..2157, 2273..2479, 2274..2468, 2275..2490, 2591..2644, 2592..2648, 2595..2645		

Seq. No.	41393	Seq. ID	OJ990604_07.0310.C113
Gene No.	85726	Strand	+
Start	140	End	2648
Name	OJ990604_07.0310.C113.o1.tc	Method	TBLASTX:Cress
Start	1344	End	2475
GI	none	Score	74
Exons	1344..1400, 2003..2122, 2005..2121, 2173..2211, 2284..2397, 2307..2396, 2361..2450, 2398..2460, 2398..2475		

Seq. No.	41394	Seq. ID	OJ990604_07.0310.C119
Gene No.	85727	Strand	+
Start	451	End	549
Name	OJ990604_07.0310.C119.o1.gp	Method	AAT/GAP
Start	451	End	549
GI	uC-osflm202106f07b1	Score	157
Exons	451..549		
GI Descrip.	'4249402 4.0e-10 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85728	Strand	+
Start	164	End	583
Name	OJ990604_07.0310.C120.o1.gp	Method	AAT/GAP
Start	164	End	583

GI	uC-osroM202016f07a1	Score	749
Exons	164..583		
GI Descrip.	'1354849/gb|AAB02006| 1.0e-11 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85729	Strand	-
Start	1610	End	2106
Name	OJ990604_07.0310.C120.o1.tm	Method	TBLASTX:Maize
Start	325	End	906
GI	none	Score	217
Exons	325..552, 336..590, 336..590, 656..901, 667..906, 676..906		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85729	Strand	-
Start	1610	End	2106
Name	OJ990604_07.0310.C120.o1.ts	Method	TBLASTX:Soybean
Start	483	End	1147
GI	none	Score	51
Exons	483..581, 484..537, 660..758, 667..906, 668..913, 670..915, 985..1014, 1042..1140, 1046..1147		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85729	Strand	-
Start	1610	End	2106
Name	OJ990604_07.0310.C120.o1.tw	Method	TBLASTX:Wheat
Start	698	End	1089
GI	none	Score	249
Exons	698..901, 700..906, 813..920, 926..1087, 979..1089, 985..1086		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85729	Strand	-
Start	1610	End	2106
Name	OJ990604_07.0310.C120.o2.gp	Method	AAT/GAP
Start	1610	End	2106
GI	uC-osroM202016f07b1	Score	654
Exons	1610..1780, 1935..2106		
GI Descrip.	'1354849/gb|AAB02006| 3.0e-23 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85729	Strand	-
Start	1610	End	2106
Name	OJ990604_07.0310.C120.o2.tw	Method	TBLASTX:Wheat
Start	1632	End	2031
GI	none	Score	191
Exons	1632..1781, 1645..1782, 1710..1784, 1712..1783, 1933..2031, 1934..1984		

Seq. No.	41395	Seq. ID	OJ990604_07.0310.C120
Gene No.	85729	Strand	-
Start	1610	End	2106
Name	OJ990604_07.0310.C120.o2.tm	Method	TBLASTX:Maize
Start	1635	End	1998
GI	none	Score	187
Exons	1635..1781, 1645..1782, 1933..1998, 1934..1984		

Seq. No.	41396	Seq. ID	OJ990604_07.0310.C121
Gene No.	85730	Strand	
Start	1155	End	1412
Name	OJ990604_07.0310.C121.o1.tm	Method	TBLASTX:Maize
Start	1155	End	1412
GI	none	Score	212
Exons	1155..1412, 1162..1383, 1170..1406		

Seq. No.	41396	Seq. ID	OJ990604_07.0310.C121
Gene No.	85730	Strand	
Start	1155	End	1412
Name	OJ990604_07.0310.C121.o1.ts	Method	TBLASTX:Soybean
Start	1161	End	1388
GI	none	Score	104
Exons	1161..1358, 1176..1388, 1195..1383		

Seq. No.	41397	Seq. ID	OJ990604_07.0310.C123
Gene No.	85731	Strand	+
Start	314	End	777
Name	OJ990604_07.0310.C123.o1.gp	Method	AAT/GAP
Start	314	End	777
GI	32946_1.R1084	Score	711
Exons	314..472, 560..777		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	41397	Seq. ID	OJ990604_07.0310.C123
Gene No.	85731	Strand	+
Start	314	End	777
Name	OJ990604_07.0310.C123.o1.tw	Method	TBLASTX:Wheat
Start	384	End	759
GI	none	Score	98
Exons	384..410, 400..474, 400..462, 402..473, 556..759, 557..658, 559..723		

Seq. No.	41397	Seq. ID	OJ990604_07.0310.C123
Gene No.	85731	Strand	+
Start	314	End	777
Name	OJ990604_07.0310.C123.o1.tm	Method	TBLASTX:Maize
Start	403	End	717
GI	none	Score	97
Exons	403..474, 411..473, 558..701, 559..717		

Seq. No.	41397	Seq. ID	OJ990604_07.0310.C123
Gene No.	85731	Strand	+
Start	314	End	777
Name	OJ990604_07.0310.C123.o1.ts	Method	TBLASTX:Soybean
Start	409	End	711
GI	none	Score	61
Exons	409..474, 570..689, 571..711		

Seq. No.	41398	Seq. ID	OJ990604_07.0310.C133
Gene No.	85732	Strand	-
Start	1	End	315
Name	OJ990604_07.0310.C133.o1.gp	Method	AAT/GAP
Start	1	End	315
GI	uC-osf1cyp033a04b1	Score	562

Exons	1..315		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	41399	Seq. ID	OJ990604_07.0310.C134
Gene No.	85733	Strand	
Start	180	End	686
Name	OJ990604_07.0310.C134.o1.tw	Method	TBLASTX:Wheat
Start	180	End	515
GI	none	Score	84
Exons	180..329, 309..515		
Seq. No.	41399	Seq. ID	OJ990604_07.0310.C134
Gene No.	85733	Strand	
Start	180	End	686
Name	OJ990604_07.0310.C134.o1.tm	Method	TBLASTX:Maize
Start	261	End	686
GI	none	Score	458
Exons	261..686, 261..419, 287..685		
Seq. No.	41400	Seq. ID	OJ991115_03.0404.C1
Gene No.	85734	Strand	+
Start	61	End	268
Name	OJ991115_03.0404.C1.o1.gs	Method	GENSCAN
Start	61	End	268
GI	none	Score	.81
Exons	61..268		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85735	Strand	+
Start	12741	End	14743
Name	OJ991115_03.0404.C2.o4.gs	Method	GENSCAN
Start	12741	End	14743
GI	none	Score	.49
Exons	12741..12816, 14059..14411, 14543..14743		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85736	Strand	+
Start	15199	End	19515
Name	OJ991115_03.0404.C2.o5.gs	Method	GENSCAN
Start	15199	End	19515
GI	none	Score	.4
Exons	15199..18225, 18427..19515		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85736	Strand	+
Start	15199	End	19515
Name	OJ991115_03.0404.C2.o2.np	Method	AAT/NAP
Start	15421	End	19491
GI	7228446	Score	3626
Exons	15421..18533, 18621..19491		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85737	Strand	+

Start	19903	End	23426
Name	OJ991115_03.0404.C2.o2.gp	Method	AAT/GAP
Start	19903	End	23426
GI	2428943	Score	794
Exons	19903..19947, 22873..23098, 23233..23426		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85738	Strand	+
Start	24769	End	32894
Name	OJ991115_03.0404.C2.o4.np	Method	AAT/NAP
Start	24769	End	32894
GI	4680203	Score	3145
Exons	24769..24987, 26427..27491, 30649..31256, 31410..31640, 31918..32894		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85738	Strand	+
Start	24769	End	32894
Name	OJ991115_03.0404.C2.o4.gp	Method	AAT/GAP
Start	29558	End	29939
GI	uC-osflcyp033a04b1	Score	659
Exons	29558..29939		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85739	Strand	+
Start	35807	End	43238
Name	OJ991115_03.0404.C2.o8.gs	Method	GENSCAN
Start	35807	End	36481
GI	none	Score	.89
Exons	35807..36481		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85739	Strand	+
Start	35807	End	43238
Name	OJ991115_03.0404.C2.o5.np	Method	AAT/NAP
Start	35831	End	39529
GI	4680204	Score	940
Exons	35831..37267, 37363..38442, 38547..38726, 38817..38945, 39302..39529		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85739	Strand	+
Start	35807	End	43238
Name	OJ991115_03.0404.C2.o9.gs	Method	GENSCAN
Start	36602	End	37856
GI	none	Score	.75
Exons	36602..37267, 37363..37504, 37651..37856		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85739	Strand	+
Start	35807	End	43238
Name	OJ991115_03.0404.C2.o10.gs	Method	GENSCAN
Start	38045	End	38443

GI	none	Score	.94
Exons	38045..38443		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85739	Strand	+
Start	35807	End	43238
Name	OJ991115_03.0404.C2.o11.gs	Method	GENSCAN
Start	38554	End	43238
GI	none	Score	.45
Exons	38554..38865, 39179..39281, 41445..41593, 41641..41747, 41991..42125, 42427..42611, 42688..43238		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85739	Strand	+
Start	35807	End	43238
Name	OJ991115_03.0404.C2.o7.np	Method	AAT/NAP
Start	41465	End	41799
GI	6630699	Score	95
Exons	41465..41799		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85740	Strand	+
Start	46604	End	56447
Name	OJ991115_03.0404.C2.o12.gs	Method	GENSCAN
Start	46604	End	56447
GI	none	Score	.64
Exons	46604..46938, 47509..47824, 50259..50291, 53639..53916, 54650..54716, 55644..55677, 55739..55824, 56328..56447		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85740	Strand	+
Start	46604	End	56447
Name	OJ991115_03.0404.C2.o10.np	Method	AAT/NAP
Start	53287	End	54811
GI	6815062	Score	318
Exons	53287..53405, 53471..53568, 53639..53933, 54522..54811		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85741	Strand	-
Start	1	End	2249
Name	OJ991115_03.0404.C2.o1.np	Method	AAT/NAP
Start	1	End	1962
GI	7434320	Score	711
Exons	1..327, 815..952, 1302..1389, 1889..1962		
GI Descrip.	protein kinase MEK1 (EC 2.7.1.-) - maize gi|2737973|gb|AAC83393.1| (U83625) protein kinase ZmMEK1 [Zea mays]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85741	Strand	-
Start	1	End	2249

Name	OJ991115_03.0404.C2.o1.gs	Method	GENSCAN
Start	103	End	1962
GI	none	Score	.78
Exons	103..327, 815..952, 1302..1389, 1889..1962		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85741	Strand	-
Start	1	End	2249
Name	OJ991115_03.0404.C2.o1.gp	Method	AAT/GAP
Start	230	End	2249
GI	36232_1.R1084	Score	1211
Exons	230..327, 815..952, 1302..1389, 1889..2249		
GI Descrip.	'2737973 2.0e-38 (U83625) protein kinase ZmMEK1 [Zea mays]'		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85742	Strand	-
Start	3348	End	4654
Name	OJ991115_03.0404.C2.o2.gs	Method	GENSCAN
Start	3348	End	4654
GI	none	Score	.6
Exons	3348..3669, 3701..3981, 4346..4399, 4448..4654		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85743	Strand	-
Start	5803	End	11949
Name	OJ991115_03.0404.C2.o3.gs	Method	GENSCAN
Start	5803	End	11949
GI	none	Score	.8
Exons	5803..6026, 6141..6268, 6307..6470, 6546..6625, 7986..8077, 8628..8941, 9033..9182, 9264..9397, 10869..11949		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85744	Strand	-
Start	20142	End	21532
Name	OJ991115_03.0404.C2.o3.np	Method	AAT/NAP
Start	20142	End	21532
GI	4008006	Score	44
Exons	20142..20288, 21462..21532		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85745	Strand	-
Start	32534	End	32978
Name	OJ991115_03.0404.C2.o5.gp	Method	AAT/GAP
Start	32534	End	32978
GI	LIB3431-028-P1-N1-A10	Score	750
Exons	32534..32880, 32908..32978		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85746	Strand	-
Start	33723	End	34794
Name	OJ991115_03.0404.C2.o7.gs	Method	GENSCAN
Start	33723	End	34794
GI	none	Score	.98
Exons	33723..34670, 34720..34794		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85747	Strand	-
Start	37590	End	44891
Name	OJ991115_03.0404.C2.o9.np	Method	AAT/NAP
Start	37590	End	44891
GI	7508657	Score	179
Exons	37590..37826, 42452..42988, 44813..44891		
GI Descrip.	hypothetical protein T28C6.1 - Caenorhabditis elegans gi|3880303|emb|CAA90992.1| (Z54238) T28C6.1 [Caenorhabditis elegans]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85747	Strand	-
Start	37590	End	44891
Name	OJ991115_03.0404.C2.o8.np	Method	AAT/NAP
Start	41938	End	43708
GI	5922620	Score	104
Exons	41938..42069, 43581..43708		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85748	Strand	-
Start	57168	End	60209
Name	OJ991115_03.0404.C2.o13.gs	Method	GENSCAN
Start	57168	End	60209
GI	none	Score	.74
Exons	57168..57278, 57364..57652, 57735..57905, 57984..58495, 58607..58845, 59051..59402, 59481..59654, 59660..59705, 59905..60209		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o5.tm	Method	TBLASTX:Maize
Start	82	End	1966
GI	none	Score	289
Exons	82..339, 100..330, 101..340, 803..952, 805..945, 810..950, 1293..1394, 1304..1381, 1888..1965, 1889..1966		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o6.ts	Method	TBLASTX:Soybean
Start	82	End	1394
GI	none	Score	159
Exons	82..339, 101..319, 121..321, 803..940, 1302..1394		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o6.tc	Method	TBLASTX:Cress
Start	82	End	1394

GI	none	Score	156
Exons	82..339, 101..316, 211..339, 803..940, 810..932, 1320..1394		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o1.ts	Method	TBLASTX:Soybean
Start	14249	End	20079
GI	none	Score	219
Exons	14249..14422, 14250..14417, 14489..14557, 14490..14546, 14540..14734, 14545..14730, 20022..20078, 20026..20079		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o1.tm	Method	TBLASTX:Maize
Start	14250	End	14731
GI	none	Score	258
Exons	14250..14417, 14252..14413, 14489..14557, 14490..14546, 14540..14731, 14548..14730		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o4.tc	Method	TBLASTX:Cress
Start	14250	End	14417
GI	none	Score	228
Exons	14250..14417, 14252..14410		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o8.tc	Method	TBLASTX:Cress
Start	14540	End	20091
GI	none	Score	215
Exons	14540..14731, 14563..14727, 20028..20090, 20029..20091		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o12.tm	Method	TBLASTX:Maize
Start	15595	End	15888
GI	none	Score	213
Exons	15595..15888, 15771..15869		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o9.tm	Method	TBLASTX:Maize
Start	16341	End	16746
GI	none	Score	254
Exons	16341..16517, 16342..16641, 16351..16557, 16648..16746		
Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o7.tw	Method	TBLASTX:Wheat

Start	16362	End	16812
GI	none	Score	227
Exons	16362..16571, 16363..16641, 16642..16725, 16644..16727, 16732..16812, 16734..16811		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o2.tw	Method	TBLASTX:Wheat
Start	16903	End	17445
GI	none	Score	328
Exons	16903..17349, 16948..17226, 17097..17333, 17356..17445, 17382..17435		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o3.tm	Method	TBLASTX:Maize
Start	17092	End	17517
GI	none	Score	397
Exons	17092..17442, 17106..17441, 17449..17517, 17457..17501		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o2.ts	Method	TBLASTX:Soybean
Start	17119	End	17598
GI	none	Score	421
Exons	17119..17598, 17124..17414, 17457..17597		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o3.tc	Method	TBLASTX:Cress
Start	17134	End	17580
GI	none	Score	251
Exons	17134..17580		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o3.ts	Method	TBLASTX:Soybean
Start	17926	End	18453
GI	5509260	Score	420
Exons	17926..18453, 18078..18422		
GI Descrip.	-		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o4.tm	Method	TBLASTX:Maize
Start	17983	End	18300
GI	none	Score	411
Exons	17983..18300, 17991..18299		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-

Start	60562	End	61039
Name	OJ991115_03.0404.C2.o2.tc	Method	TBLASTX:Cress
Start	18075	End	18339
GI	none	Score	264
Exons	18075..18251, 18076..18339, 18091..18339		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o3.tw	Method	TBLASTX:Wheat
Start	18120	End	18786
GI	none	Score	308
Exons	18120..18251, 18121..18465, 18250..18417, 18276..18419, 18457..18672, 18664..18786		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o2.tm	Method	TBLASTX:Maize
Start	18553	End	18942
GI	none	Score	454
Exons	18553..18678, 18555..18938, 18556..18942		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o7.tc	Method	TBLASTX:Cress
Start	18802	End	19473
GI	none	Score	167
Exons	18802..18993, 18808..18957, 19018..19104, 19082..19207, 19222..19473, 19263..19433		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o4.ts	Method	TBLASTX:Soybean
Start	18829	End	19509
GI	none	Score	130
Exons	18829..18990, 18997..19509		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o10.tw	Method	TBLASTX:Wheat
Start	19024	End	19443
GI	none	Score	105
Exons	19024..19227, 19225..19443		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o6.tm	Method	TBLASTX:Maize
Start	19086	End	19470
GI	none	Score	308
Exons	19086..19469, 19087..19470		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2

Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o7.tm	Method	TBLASTX:Maize
Start	24091	End	24462
GI	none	Score	295
Exons	24091..24462		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o9.tw	Method	TBLASTX:Wheat
Start	24289	End	24656
GI	none	Score	150
Exons	24289..24480, 24337..24654, 24402..24656, 24553..24654		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o11.tm	Method	TBLASTX:Maize
Start	24732	End	25026
GI	none	Score	228
Exons	24732..24839, 24733..25026, 24733..24921, 24864..25025		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o6.tw	Method	TBLASTX:Wheat
Start	26733	End	27134
GI	none	Score	92
Exons	26733..26885, 26752..26871, 26868..27119, 26876..27118, 26877..27134, 26879..27121, 26887..27129		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o5.ts	Method	TBLASTX:Soybean
Start	27051	End	27487
GI	none	Score	98
Exons	27051..27125, 27126..27188, 27183..27479, 27215..27487		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o5.tc	Method	TBLASTX:Cress
Start	27212	End	27491
GI	none	Score	227
Exons	27212..27364, 27219..27491, 27413..27490		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o5.tw	Method	TBLASTX:Wheat
Start	27348	End	30973
GI	none	Score	66
Exons	27348..27404, 27356..27400, 27401..27493, 27402..27491, 27402..27497, 30646..30663, 30677..30763, 30678..30764, 30684..30764, 30765..30968, 30767..30973		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o10.tm	Method	TBLASTX:Maize
Start	30643	End	31007
GI	none	Score	52
Exons	30643..30684, 30678..30803, 30813..31007		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o7.ts	Method	TBLASTX:Soybean
Start	30837	End	31079
GI	none	Score	210
Exons	30837..31079, 30842..31021		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o4.tw	Method	TBLASTX:Wheat
Start	31112	End	31522
GI	none	Score	77
Exons	31112..31162, 31113..31175, 31187..31363, 31188..31403, 31436..31522, 31437..31520		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o1.tw	Method	TBLASTX:Wheat
Start	31523	End	32840
GI	none	Score	435
Exons	31523..31879, 31524..31880, 31531..31881, 31884..32153, 31885..32442, 32110..32427, 32450..32479, 32451..32480, 32457..32480, 32483..32578, 32487..32546, 32525..32665, 32526..32666, 32676..32759, 32748..32840		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o8.tm	Method	TBLASTX:Maize
Start	31566	End	31883
GI	none	Score	291
Exons	31566..31883, 31577..31879		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o1.tc	Method	TBLASTX:Cress
Start	31811	End	32259
GI	none	Score	69
Exons	31811..31879, 31815..31880, 31884..32153, 31885..32259, 32110..32259		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039

Name	OJ991115_03.0404.C2.o8.tw	Method	TBLASTX:Wheat
Start	36474	End	59351
GI	none	Score	179
Exons	36474..36584, 36476..36709, 36536..36625, 36577..36717, 36707..36877, 36772..36876, 59295..59351		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o11.tw	Method	TBLASTX:Wheat
Start	36878	End	58825
GI	none	Score	65
Exons	36878..36958, 37199..37273, 37357..37575, 58613..58825		

Seq. No.	41401	Seq. ID	OJ991115_03.0404.C2
Gene No.	85749	Strand	-
Start	60562	End	61039
Name	OJ991115_03.0404.C2.o14.gs	Method	GENSCAN
Start	60562	End	61039
GI	none	Score	1
Exons	60562..61039		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85750	Strand	+
Start	6957	End	9747
Name	OJ991115_03.0404.C3.o2.gs	Method	GENSCAN
Start	6957	End	9747
GI	none	Score	.54
Exons	6957..6972, 7616..7765, 8012..8167, 8344..8396, 9535..9747		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85751	Strand	+
Start	10196	End	15982
Name	OJ991115_03.0404.C3.o3.gs	Method	GENSCAN
Start	10196	End	15982
GI	none	Score	.54
Exons	10196..10297, 10474..10601, 11027..11109, 12522..12626, 13020..13247, 13270..13367, 13524..13712, 13781..13839, 13920..14259, 14374..14558, 14818..14963, 15100..15585, 15846..15982		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85752	Strand	-
Start	421	End	3645
Name	OJ991115_03.0404.C3.o1.np	Method	AAT/NAP
Start	265	End	3531
GI	4680203	Score	1939
Exons	265..1200, 1477..1720, 1880..3531		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85752	Strand	-
Start	421	End	3645
Name	OJ991115_03.0404.C3.o1.gs	Method	GENSCAN
Start	421	End	3645
GI	none	Score	.61
Exons	421..879, 997..2016, 2116..2375, 2610..2781, 3302..3531,		

3633..3645

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85753	Strand	-
Start	16844	End	26379
Name	OJ991115_03.0404.C3.o2.np	Method	AAT/NAP
Start	16202	End	24114
GI	7228457	Score	2810
Exons	16202..17722, 17789..18850, 20258..20825, 20859..22429, 24063..24114		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85753	Strand	-
Start	16844	End	26379
Name	OJ991115_03.0404.C3.o4.gs	Method	GENSCAN
Start	16844	End	26379
GI	none	Score	.51
Exons	16844..17384, 17415..17663, 17817..18846, 19927..19970, 20220..20719, 20888..21424, 21455..21626, 21685..22812, 22908..23471, 23499..23928, 25979..26267, 26296..26379		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85753	Strand	-
Start	16844	End	26379
Name	OJ991115_03.0404.C3.o3.np	Method	AAT/NAP
Start	22265	End	24383
GI	7523517	Score	276
Exons	22265..22307, 23883..23928, 24073..24383		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o1.tw	Method	TBLASTX:Wheat
Start	343	End	1581
GI	none	Score	68
Exons	343..462, 463..567, 464..568, 586..639, 640..690, 706..846, 707..832, 844..1044, 968..1018, 1049..1549, 1051..1581		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o3.ts	Method	TBLASTX:Soybean
Start	406	End	654
GI	none	Score	88
Exons	406..654, 416..652		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o2.tc	Method	TBLASTX:Cress
Start	880	End	1306
GI	none	Score	182
Exons	880..1044, 1049..1306, 1051..1302		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o4.tm	Method	TBLASTX:Maize
Start	1237	End	1552
GI	none	Score	152
Exons	1237..1551, 1256..1552		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o5.ts	Method	TBLASTX:Soybean
Start	1249	End	1632
GI	none	Score	66
Exons	1249..1386, 1252..1494, 1504..1632		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o12.tw	Method	TBLASTX:Wheat
Start	1720	End	1924
GI	none	Score	83
Exons	1720..1803, 1804..1923, 1807..1923, 1808..1924		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o6.tm	Method	TBLASTX:Maize
Start	1729	End	1944
GI	none	Score	82
Exons	1729..1920, 1730..1918, 1744..1944		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o2.tm	Method	TBLASTX:Maize
Start	2104	End	2553
GI	none	Score	86
Exons	2104..2298, 2120..2299, 2305..2547, 2321..2494, 2422..2553		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o9.tw	Method	TBLASTX:Wheat
Start	2143	End	2484
GI	none	Score	75
Exons	2143..2298, 2144..2392, 2342..2437, 2344..2439, 2452..2484		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o1.tc	Method	TBLASTX:Cress
Start	2392	End	2742
GI	none	Score	110
Exons	2392..2742, 2393..2548, 2585..2734		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o1.ts	Method	TBLASTX:Soybean
Start	2464	End	2871
GI	none	Score	120
Exons	2464..2742, 2492..2728, 2761..2871		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o4.tw	Method	TBLASTX:Wheat
Start	2488	End	3172
GI	none	Score	40
Exons	2488..2613, 2531..2617, 2620..2739, 2633..2722, 2758..2859, 2873..3172, 2883..3083		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o3.tw	Method	TBLASTX:Wheat
Start	16211	End	16819
GI	none	Score	67
Exons	16211..16339, 16212..16337, 16367..16819, 16563..16670		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o6.tw	Method	TBLASTX:Wheat
Start	16841	End	17195
GI	none	Score	166
Exons	16841..17194, 16851..17093, 17139..17195		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o5.tm	Method	TBLASTX:Maize
Start	17021	End	17308
GI	none	Score	126
Exons	17021..17248, 17022..17249, 17249..17308		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o11.tw	Method	TBLASTX:Wheat
Start	17450	End	17806
GI	none	Score	62
Exons	17450..17806, 17451..17669, 17712..17786		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o4.ts	Method	TBLASTX:Soybean
Start	17573	End	18094
GI	5666795	Score	53
Exons	17573..17794, 17721..17789, 17810..17959, 17811..17834, 17880..18002, 17981..18094		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o8.tw	Method	TBLASTX:Wheat
Start	17810	End	18218
GI	none	Score	57
Exons	17810..17983, 17811..17945, 17991..18218, 17993..18217		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o2.ts	Method	TBLASTX:Soybean
Start	18308	End	18730
GI	none	Score	80
Exons	18308..18397, 18455..18730, 18546..18698		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o5.tw	Method	TBLASTX:Wheat
Start	18452	End	18784
GI	none	Score	181
Exons	18452..18784, 18453..18686		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o3.tm	Method	TBLASTX:Maize
Start	18458	End	18841
GI	none	Score	112
Exons	18458..18841, 18459..18686		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	20276	End	20635
GI	none	Score	125
Exons	20276..20488, 20277..20489, 20490..20573, 20492..20635, 20495..20581		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o2.tw	Method	TBLASTX:Wheat
Start	20306	End	20764
GI	none	Score	147
Exons	20306..20488, 20307..20480, 20321..20494, 20492..20764, 20493..20756		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o7.tw	Method	TBLASTX:Wheat
Start	20975	End	21382

GI	none	Score	132
Exons	20975..21163, 20976..21161, 21200..21382, 21258..21374		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o10.tw	Method	TBLASTX:Wheat
Start	21966	End	22364
GI	none	Score	252
Exons	21966..22364		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o7.tm	Method	TBLASTX:Maize
Start	22128	End	22367
GI	none	Score	199
Exons	22128..22367		

Seq. No.	41402	Seq. ID	OJ991115_03.0404.C3
Gene No.	85754	Strand	-
Start	26701	End	28027
Name	OJ991115_03.0404.C3.o5.gs	Method	GENSCAN
Start	26701	End	28027
GI	none	Score	.6
Exons	26701..26785, 27936..28027		

Seq. No.	41403	Seq. ID	OJ991115_03.0404.C4
Gene No.	85755	Strand	+
Start	2146	End	14775
Name	OJ991115_03.0404.C4.o1.np	Method	AAT/NAP
Start	2146	End	14775
GI	7523686	Score	254
Exons	2146..2228, 2733..2788, 6076..6714, 14719..14775		
GI Descrip.	(AC009526) Similar to Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	41403	Seq. ID	OJ991115_03.0404.C4
Gene No.	85755	Strand	+
Start	2146	End	14775
Name	OJ991115_03.0404.C4.o2.gs	Method	GENSCAN
Start	4987	End	12870
GI	none	Score	.47
Exons	4987..5046, 5856..5894, 5954..6235, 6656..6806, 8868..8998, 9105..9363, 10062..10139, 10819..10873, 10934..10971, 11231..11467, 11756..12107, 12684..12870		

Seq. No.	41403	Seq. ID	OJ991115_03.0404.C4
Gene No.	85755	Strand	+
Start	2146	End	14775
Name	OJ991115_03.0404.C4.o2.np	Method	AAT/NAP
Start	10965	End	11900
GI	130582	Score	241
Exons	10965..11900		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	41403	Seq. ID	OJ991115_03.0404.C4
Gene No.	85756	Strand	-
Start	13301	End	14225
Name	OJ991115_03.0404.C4.o1.tw	Method	TBLASTX:Wheat
Start	6173	End	6520
GI	none	Score	97
Exons	6173..6289, 6305..6520		

Seq. No.	41403	Seq. ID	OJ991115_03.0404.C4
Gene No.	85756	Strand	-
Start	13301	End	14225
Name	OJ991115_03.0404.C4.o3.gs	Method	GENSCAN
Start	13301	End	14225
GI	none	Score	.82
Exons	13301..13409, 14117..14225		

Seq. No.	41404	Seq. ID	OJ991115_03.0404.C5
Gene No.	85757	Strand	+
Start	1	End	717
Name	OJ991115_03.0404.C5.o1.np	Method	AAT/NAP
Start	1	End	714
GI	6498436	Score	408
Exons	1..330, 596..714		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	41404	Seq. ID	OJ991115_03.0404.C5
Gene No.	85757	Strand	+
Start	1	End	717
Name	OJ991115_03.0404.C5.o1.gs	Method	GENSCAN
Start	38	End	717
GI	none	Score	.87
Exons	38..158, 596..717		

Seq. No.	41404	Seq. ID	OJ991115_03.0404.C5
Gene No.	85758	Strand	-
Start	1373	End	2961
Name	OJ991115_03.0404.C5.o2.gs	Method	GENSCAN
Start	1373	End	2961
GI	none	Score	.59
Exons	1373..1392, 1705..2234, 2897..2961		

Seq. No.	41404	Seq. ID	OJ991115_03.0404.C5
Gene No.	85758	Strand	-
Start	1373	End	2961
Name	OJ991115_03.0404.C5.o1.gp	Method	AAT/GAP
Start	1778	End	2168
GI	702945	Score	699
Exons	1778..2168		

Seq. No.	41404	Seq. ID	OJ991115_03.0404.C5
Gene No.	85759	Strand	-
Start	6190	End	6974
Name	OJ991115_03.0404.C5.o2.np	Method	AAT/NAP
Start	6190	End	6974
GI	6498436	Score	322
Exons	6190..6325, 6635..6974		

GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	41404	Seq. ID	OJ991115_03.0404.C5
Gene No.	85759	Strand	-
Start	6190	End	6974
Name	OJ991115_03.0404.C5.o2.gp	Method	AAT/GAP
Start	6270	End	6726
GI	LIB3432-012-P1-K1-C8	Score	889
Exons	6270..6726		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85760	Strand	+
Start	211	End	732
Name	OJ991115_03.0404.C6.o1.gs	Method	GENSCAN
Start	211	End	732
GI	none	Score	.76
Exons	211..216, 527..564, 624..732		
Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o1.np	Method	AAT/NAP
Start	3135	End	13961
GI	7228457	Score	4391
Exons	3135..3232, 6079..6482, 9658..10557, 10680..11508, 11572..13381, 13446..13961		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o1.gp	Method	AAT/GAP
Start	7233	End	7614
GI	uC-osf1cyp033a04b1	Score	663
Exons	7233..7614		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o4.tw	Method	TBLASTX:Wheat
Start	9680	End	10129
GI	none	Score	92
Exons	9680..9832, 9681..9821, 9888..10109, 9905..10129		
Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o3.gs	Method	GENSCAN
Start	9686	End	11016
GI	none	Score	.6
Exons	9686..10056, 10309..10443, 10638..11016		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o1.ts	Method	TBLASTX:Soybean
Start	10481	End	10851
GI	none	Score	64
Exons	10481..10531, 10525..10851, 10739..10837		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o2.tw	Method	TBLASTX:Wheat
Start	10514	End	10929
GI	none	Score	273
Exons	10514..10924, 10525..10929		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o2.tm	Method	TBLASTX:Maize
Start	10603	End	10986
GI	none	Score	139
Exons	10603..10986, 10730..10948		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o1.tm	Method	TBLASTX:Maize
Start	11014	End	11370
GI	none	Score	182
Exons	11014..11370, 11024..11329		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o1.tw	Method	TBLASTX:Wheat
Start	11038	End	11501
GI	none	Score	391
Exons	11038..11499, 11039..11500, 11325..11501		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o2.ts	Method	TBLASTX:Soybean
Start	11095	End	11460
GI	none	Score	108
Exons	11095..11229, 11236..11460		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o4.gs	Method	GENSCAN
Start	11197	End	14552
GI	none	Score	.41
Exons	11197..11373, 11587..12228, 12293..13713, 13956..14068, 14312..14417, 14516..14552		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o3.tw	Method	TBLASTX:Wheat
Start	11608	End	12100
GI	none	Score	159
Exons	11608..12093, 11627..11944, 11966..12100		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o5.tw	Method	TBLASTX:Wheat
Start	12896	End	13270
GI	none	Score	100
Exons	12896..13270, 12990..13148		

Seq. No.	41405	Seq. ID	OJ991115_03.0404.C6
Gene No.	85761	Strand	-
Start	3135	End	14552
Name	OJ991115_03.0404.C6.o3.tm	Method	TBLASTX:Maize
Start	12995	End	13280
GI	none	Score	93
Exons	12995..13243, 12996..13280		

Seq. No.	41406	Seq. ID	OJ991115_03.0404.C7
Gene No.	85762	Strand	+
Start	1	End	1638
Name	OJ991115_03.0404.C7.o1.np	Method	AAT/NAP
Start	1	End	1638
GI	5852181	Score	104
Exons	1..37, 228..366, 1589..1638		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	41406	Seq. ID	OJ991115_03.0404.C7
Gene No.	85762	Strand	+
Start	1	End	1638
Name	OJ991115_03.0404.C7.o1.gs	Method	GENSCAN
Start	225	End	1086
GI	none	Score	.47
Exons	225..366, 1037..1086		

Seq. No.	41406	Seq. ID	OJ991115_03.0404.C7
Gene No.	85763	Strand	-
Start	2185	End	2512
Name	OJ991115_03.0404.C7.o2.np	Method	AAT/NAP
Start	2185	End	2512
GI	5410609	Score	55
Exons	2185..2232, 2311..2512		
GI Descrip.	(AF161253) protein phosphatase 4 catalytic subunit [Dictyostelium discoideum]		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85764	Strand	+
Start	796	End	1137
Name	OJ991115_03.0404.C8.o1.gs	Method	GENSCAN
Start	796	End	1137

GI	none	Score	.98
Exons	796..1137		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85765	Strand	+
Start	6506	End	6755
Name	OJ991115_03.0404.C8.o2.gp	Method	AAT/GAP
Start	6506	End	6755
GI	none	Score	380
Exons	6506..6755		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85766	Strand	+
Start	14855	End	17207
Name	OJ991115_03.0404.C8.o3.np	Method	AAT/NAP
Start	14855	End	17207
GI	7340860	Score	96
Exons	14855..15014, 15566..15667, 17187..17207		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85767	Strand	+
Start	17553	End	18066
Name	OJ991115_03.0404.C8.o3.gp	Method	AAT/GAP
Start	16750	End	17207
GI	LIB3432-059-P1-K1-D8	Score	719
Exons	16750..17207		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85767	Strand	+
Start	17553	End	18066
Name	OJ991115_03.0404.C8.o4.gp	Method	AAT/GAP
Start	17141	End	17231
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	17141..17231		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85767	Strand	+
Start	17553	End	18066
Name	OJ991115_03.0404.C8.o3.gs	Method	GENSCAN
Start	17553	End	18066
GI	none	Score	.55
Exons	17553..17606, 17968..18066		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o1.gp	Method	AAT/GAP
Start	3007	End	3496
GI	none	Score	847
Exons	3007..3496		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o2.gs	Method	GENSCAN
Start	3016	End	15108
GI	none	Score	.7
Exons	3016..3509, 4581..4699, 6014..6103, 6740..6959, 7050..7152, 7249..7280, 7469..7686, 9051..9148, 9457..9697, 9850..9945, 10129..10216, 10537..10612, 11968..12014, 12317..12431, 13911..13969, 14838..15108		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o1.np	Method	AAT/NAP
Start	3216	End	5066
GI	5852093	Score	97
Exons	3216..3328, 4937..5066		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	6682	End	8033
GI	none	Score	140
Exons	6682..6957, 6688..6975, 6710..6961, 7046..7147, 7048..7152, 7521..7685, 7522..7686, 7540..7686, 7910..8023, 7914..8033		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o2.np	Method	AAT/NAP
Start	6682	End	15230
GI	1362162	Score	1586
Exons	6682..6959, 7050..7152, 7249..7280, 7469..7686, 7914..8029, 9457..9697, 10129..10216, 10345..10416, 10537..10612, 13911..13969, 14838..14991, 15145..15230		
GI Descrip.	beta-glucosidase BGQ60 precursor - barley gi|804656 (L41869) beta-glucosidase [Hordeum vulgare]		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	6686	End	15006
GI	none	Score	261
Exons	6686..6823, 6689..6961, 6691..6975, 7046..7153, 7048..7152, 7249..7290, 7250..7291, 7479..7685, 7549..7686, 7906..8022, 7910..8035, 7914..8024, 9433..9549, 9451..9555, 9452..9559, 9556..9690, 9557..9694, 9607..9696, 10111..10218, 10128..10217, 10322..10444, 10340..10414, 10341..10445, 10534..10584, 10535..10615, 10539..10613, 13909..13974, 13911..13973, 14836..15006, 14837..14962		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8

Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	6689	End	14970
GI	none	Score	257
Exons	6689..6808, 6691..6975, 6710..6961, 7046..7153, 7048..7152, 7256..7291, 7464..7685, 7558..7722, 7910..8035, 7917..8021, 9454..9546, 9455..9547, 9457..9549, 9475..9696, 9532..9690, 9545..9697, 9554..9697, 10111..10218, 10128..10217, 10322..10444, 10341..10418, 10343..10444, 10538..10615, 10539..10613, 13909..13986, 13911..13973, 14836..14970, 14837..14962		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	6694	End	7116
GI	none	Score	205
Exons	6694..6975, 6710..6976, 7046..7114, 7048..7116		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o2.tc	Method	TBLASTX:Cress
Start	9517	End	14973
GI	none	Score	53
Exons	9517..9555, 9518..9559, 9556..9690, 9557..9694, 9610..9696, 10104..10214, 10111..10218, 10128..10217, 10322..10444, 10341..10445, 10538..10615, 10539..10613, 13911..13973, 14824..14973, 14837..14953		

Seq. No.	41407	Seq. ID	OJ991115_03.0404.C8
Gene No.	85768	Strand	-
Start	3016	End	15230
Name	OJ991115_03.0404.C8.o2.tw	Method	TBLASTX:Wheat
Start	9553	End	10588
GI	none	Score	135
Exons	9553..9690, 9554..9691, 10111..10218, 10131..10217, 10319..10414, 10344..10436, 10538..10588, 10539..10583		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85769	Strand	+
Start	721	End	1216
Name	OJ991115_03.0404.C9.o1.gp	Method	AAT/GAP
Start	721	End	1216
GI	none	Score	980
Exons	721..1216		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85770	Strand	+
Start	6138	End	8078
Name	OJ991115_03.0404.C9.o2.np	Method	AAT/NAP
Start	6138	End	8078
GI	7523489	Score	109
Exons	6138..6217, 7814..8078		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85771	Strand	+
Start	17271	End	18849
Name	OJ991115_03.0404.C9.o4.gs	Method	GENSCAN
Start	17271	End	18838
GI	none	Score	.78
Exons	17271..18412, 18422..18671, 18774..18838		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85771	Strand	+
Start	17271	End	18849
Name	OJ991115_03.0404.C9.o5.np	Method	AAT/NAP
Start	17817	End	18849
GI	6539553	Score	1624
Exons	17817..18849		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85772	Strand	-
Start	1107	End	6347
Name	OJ991115_03.0404.C9.o1.gs	Method	GENSCAN
Start	1107	End	6323
GI	none	Score	.4
Exons	1107..1385, 1471..1593, 1896..2071, 4643..4757, 6063..6323		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85772	Strand	-
Start	1107	End	6347
Name	OJ991115_03.0404.C9.o1.np	Method	AAT/NAP
Start	1146	End	6347
GI	5360591	Score	773
Exons	1146..1385, 1471..1566, 1896..2071, 4643..4757, 6063..6347		
GI Descrip.	(AB022328) nClpP3 [Arabidopsis thaliana]		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85772	Strand	-
Start	1107	End	6347
Name	OJ991115_03.0404.C9.o2.gp	Method	AAT/GAP
Start	4642	End	6330
GI	700480	Score	685
Exons	4642..4757, 6063..6330		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85773	Strand	-
Start	8120	End	8423
Name	OJ991115_03.0404.C9.o3.np	Method	AAT/NAP
Start	8120	End	8423
GI	5777617	Score	107
Exons	8120..8423		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-

Start	10524	End	15623
Name	OJ991115_03.0404.C9.o1.tc	Method	TBLASTX:Cress
Start	1161	End	6122
GI	none	Score	116
Exons	1161..1214, 1218..1253, 1219..1386, 1296..1385, 1459..1569, 1477..1512, 1861..2073, 1890..2072, 4638..4757, 4639..4761, 6060..6122		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o3.tm	Method	TBLASTX:Maize
Start	1212	End	6211
GI	none	Score	265
Exons	1212..1253, 1213..1386, 1220..1411, 1223..1387, 1468..1569, 1890..2072, 1891..2073, 1895..2074, 1899..2075, 4617..4757, 4638..4757, 4639..4758, 4643..4759, 4643..4759, 6060..6122, 6060..6125, 6079..6210, 6083..6211		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o1.ts	Method	TBLASTX:Soybean
Start	1228	End	6122
GI	none	Score	162
Exons	1228..1386, 1283..1360, 1296..1385, 1459..1569, 1472..1579, 1890..2072, 1891..2073, 4629..4760, 4638..4757, 4639..4776, 4660..4758, 4661..4759, 6060..6122		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o3.gp	Method	AAT/GAP
Start	10524	End	11715
GI	6903_1.R1084	Score	1980
Exons	10524..11316, 11487..11715		
GI Descrip.	'4467145/emb|CAB37514| 6.0e-26 (AL035540) farnesylated protein (ATFP6) [Arabidopsis thaliana]'		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o2.tc	Method	TBLASTX:Cress
Start	10918	End	11317
GI	none	Score	51
Exons	10918..11028, 10949..11008, 11044..11148, 11045..11083, 11155..11316, 11159..11317		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o2.ts	Method	TBLASTX:Soybean
Start	10945	End	11317
GI	4291779	Score	152
Exons	10945..10998, 11044..11082, 11140..11316, 11141..11317		
GI Descrip.	3080439/emb_CAA18756_ 1.0e-33 (AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o1.tm	Method	TBLASTX:Maize
Start	10948	End	11582
GI	none	Score	146
Exons	10948..11316, 10949..11086, 11126..11317, 11487..11582		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o3.gs	Method	GENSCAN
Start	10948	End	15623
GI	none	Score	.65
Exons	10948..11316, 15273..15623		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85774	Strand	-
Start	10524	End	15623
Name	OJ991115_03.0404.C9.o4.np	Method	AAT/NAP
Start	10951	End	11573
GI	6714314	Score	407
Exons	10951..11316, 11487..11573		
GI Descrip.	(AC016972) putative isoprenylated protein [Arabidopsis thaliana]		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85775	Strand	
Start	17811	End	18257
Name	OJ991115_03.0404.C9.o1.tw	Method	TBLASTX:Wheat
Start	17811	End	18198
GI	none	Score	335
Exons	17811..18197, 17822..18196, 17935..18198		

Seq. No.	41408	Seq. ID	OJ991115_03.0404.C9
Gene No.	85775	Strand	
Start	17811	End	18257
Name	OJ991115_03.0404.C9.o2.tm	Method	TBLASTX:Maize
Start	17952	End	18257
GI	none	Score	328
Exons	17952..18257, 17952..18254, 17954..18256		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o1.np	Method	AAT/NAP
Start	1	End	2546
GI	6539553	Score	4164
Exons	1..2546		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546

Name	OJ991115_03.0404.C10.o4.tw	Method	TBLASTX:Wheat
Start	180	End	374
GI	none	Score	266
Exons	180..374, 183..374		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o3.tm	Method	TBLASTX:Maize
Start	231	End	725
GI	none	Score	216
Exons	231..536, 360..470, 368..505, 558..725		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o3.ts	Method	TBLASTX:Soybean
Start	327	End	746
GI	none	Score	184
Exons	327..551, 328..372, 342..539, 398..547, 552..746, 554..598		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o1.tw	Method	TBLASTX:Wheat
Start	375	End	1130
GI	none	Score	597
Exons	375..824, 383..862, 385..825, 883..1113, 948..1130, 949..1074, 971..1129		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o1.ts	Method	TBLASTX:Soybean
Start	1050	End	1514
GI	5509260	Score	360
Exons	1050..1514, 1145..1369, 1436..1495		
GI Descrip.	-		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o1.tc	Method	TBLASTX:Cress
Start	1143	End	1403
GI	none	Score	262
Exons	1143..1403, 1145..1312		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o1.tm	Method	TBLASTX:Maize
Start	1182	End	1649
GI	none	Score	325
Exons	1182..1649, 1184..1303, 1340..1546		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+

Start	1	End	2546
Name	OJ991115_03.0404.C10.o3.tw	Method	TBLASTX:Wheat
Start	1182	End	1931
GI	none	Score	288
Exons	1182..1529, 1524..1730, 1589..1720, 1728..1823, 1881..1931		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o2.ts	Method	TBLASTX:Soybean
Start	1583	End	1928
GI	none	Score	294
Exons	1583..1783, 1584..1928		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o2.tm	Method	TBLASTX:Maize
Start	1739	End	2078
GI	none	Score	289
Exons	1739..2077, 1740..2078		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o2.tw	Method	TBLASTX:Wheat
Start	1934	End	2410
GI	none	Score	101
Exons	1934..2005, 1935..2009, 1935..2015, 2024..2410, 2025..2372, 2026..2409		

Seq. No.	41409	Seq. ID	OJ991115_03.0404.C10
Gene No.	85776	Strand	+
Start	1	End	2546
Name	OJ991115_03.0404.C10.o4.ts	Method	TBLASTX:Soybean
Start	1941	End	2282
GI	none	Score	73
Exons	1941..2054, 1967..2041, 2073..2282, 2078..2203		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85777	Strand	+
Start	3677	End	5431
Name	OJ991115_03.0404.C11.o1.gs	Method	GENSCAN
Start	3677	End	5431
GI	none	Score	.51
Exons	3677..3753, 3850..4066, 4188..4205, 5243..5431		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85778	Strand	+
Start	11574	End	14716
Name	OJ991115_03.0404.C11.o3.gs	Method	GENSCAN
Start	11574	End	14716
GI	none	Score	.66
Exons	11574..11774, 12092..12276, 12671..12710, 13748..13895, 13897..14048, 14516..14716		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11

Gene No.	85779	Strand	+
Start	15730	End	16446
Name	OJ991115_03.0404.C11.o1.gp	Method	AAT/GAP
Start	15730	End	16446
GI	25547_1.R1084	Score	1394
Exons	15730..16446		
GI Descrip.	'3540181 2.0e-13 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85780	Strand	-
Start	15191	End	19533
Name	OJ991115_03.0404.C11.o2.tm	Method	TBLASTX:Maize
Start	6180	End	7454
GI	none	Score	55
Exons	6180..6263, 6339..6434, 6345..6425, 6351..6434, 6408..6455, 6424..6456, 6494..6598, 6494..6607, 6495..6608, 6501..6644, 6506..6607, 6509..6613, 6515..6601, 6698..6724, 6699..6752, 6699..6773, 6699..6845, 6699..6806, 6759..6845, 6759..6845, 6806..6898, 6812..6994, 6813..6989, 6834..6986, 6837..6986, 6842..7000, 6846..7001, 6848..7012, 6849..7001, 6861..6980, 6880..6990, 6884..6991, 6890..7012, 7040..7141, 7041..7160, 7048..7155, 7055..7159, 7055..7147, 7064..7138, 7069..7149, 7072..7152, 7136..7279, 7169..7276, 7193..7327, 7201..7293, 7201..7281, 7207..7290, 7317..7454, 7347..7379, 7349..7426, 7350..7454, 7356..7448, 7356..7454		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85780	Strand	-
Start	15191	End	19533
Name	OJ991115_03.0404.C11.o1.np	Method	AAT/NAP
Start	15191	End	19533
GI	6714317	Score	483
Exons	15191..15225, 16047..16460, 17126..17173, 18637..18989, 19416..19533		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85780	Strand	-
Start	15191	End	19533
Name	OJ991115_03.0404.C11.o4.gs	Method	GENSCAN
Start	16035	End	18989
GI	none	Score	.93
Exons	16035..16477, 17131..17173, 18637..18989		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85780	Strand	-
Start	15191	End	19533
Name	OJ991115_03.0404.C11.o1.tm	Method	TBLASTX:Maize
Start	16147	End	18996
GI	none	Score	179
Exons	16147..16332, 16164..16463, 16170..16370, 16291..16470, 16292..16471, 17130..17174, 18634..18807, 18635..18712, 18676..18987, 18713..18988, 18738..18989, 18754..18996		

Seq. No.	41410	Seq. ID	OJ991115_03.0404.C11
Gene No.	85780	Strand	-

Start	15191	End	19533
Name	OJ991115_03.0404.C11.o1.ts	Method	TBLASTX:Soybean
Start	16164	End	18915
GI	none	Score	119
Exons	16164..16256, 16242..16277, 18730..18915, 18757..18915		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85781	Strand	+
Start	465	End	791
Name	OJ991225_73.0317.C6.o1.gs	Method	GENSCAN
Start	465	End	791
GI	none	Score	.56
Exons	465..791		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85782	Strand	+
Start	758	End	1187
Name	OJ991225_73.0317.C6.o1.gp	Method	AAT/GAP
Start	758	End	1187
GI	61605_1.R1084	Score	579
Exons	758..1187		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85783	Strand	+
Start	2923	End	11546
Name	OJ991225_73.0317.C6.o1.np	Method	AAT/NAP
Start	2923	End	9176
GI	7106512	Score	128
Exons	2923..2982, 3056..3113, 9140..9176		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85783	Strand	+
Start	2923	End	11546
Name	OJ991225_73.0317.C6.o3.gp	Method	AAT/GAP
Start	8540	End	8610
GI	4715947	Score	78
Exons	8540..8610		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85783	Strand	+
Start	2923	End	11546
Name	OJ991225_73.0317.C6.o2.np	Method	AAT/NAP
Start	8648	End	11543
GI	5107829	Score	968
Exons	8648..8677, 10245..10509, 10908..11543		
GI Descrip.	(AF149413) contains similarity to several Arabidopsis thaliana hypothetical proteins including GB:U95973 and GB:AC002392		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85783	Strand	+
Start	2923	End	11546
Name	OJ991225_73.0317.C6.o3.gs	Method	GENSCAN
Start	9943	End	11546
GI	none	Score	.46
Exons	9943..10509, 10926..11546		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85784	Strand	+
Start	17213	End	25719
Name	OJ991225_73.0317.C6.o6.gs	Method	GENSCAN
Start	17213	End	22187
GI	none	Score	.88
Exons	17213..18527, 18576..19930, 20015..20092, 20186..20412, 20770..20938, 20988..21246, 21364..22187		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85784	Strand	+
Start	17213	End	25719
Name	OJ991225_73.0317.C6.o4.np	Method	AAT/NAP
Start	19619	End	24937
GI	6069646	Score	939
Exons	19619..19642, 22735..23670, 23953..24937		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85784	Strand	+
Start	17213	End	25719
Name	OJ991225_73.0317.C6.o7.gs	Method	GENSCAN
Start	22822	End	25719
GI	none	Score	.72
Exons	22822..23163, 23607..23677, 24214..24309, 24744..24898, 25592..25719		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85785	Strand	-
Start	2663	End	2768
Name	OJ991225_73.0317.C6.o2.gp	Method	AAT/GAP
Start	2663	End	2768
GI	5816518	Score	150
Exons	2663..2768		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85786	Strand	-
Start	4518	End	9353
Name	OJ991225_73.0317.C6.o2.gs	Method	GENSCAN
Start	4518	End	9353
GI	none	Score	.72
Exons	4518..4875, 6204..6403, 8114..8229, 9299..9353		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85787	Strand	-
Start	15503	End	16390
Name	OJ991225_73.0317.C6.o5.gs	Method	GENSCAN
Start	15503	End	16387
GI	none	Score	1
Exons	15503..16387		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85787	Strand	-
Start	15503	End	16390
Name	OJ991225_73.0317.C6.o3.np	Method	AAT/NAP
Start	15519	End	16390
GI	4006888	Score	742
Exons	15519..16390		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana] gi|7270632|emb|CAB80349.1| (AL161590) putative protein [Arabidopsis thaliana]		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o3.ts	Method	TBLASTX:Soybean
Start	10252	End	10518
GI	none	Score	157
Exons	10252..10413, 10335..10412, 10408..10518		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	10333	End	11486
GI	none	Score	81
Exons	10333..10416, 10889..11113, 10917..11258, 11262..11393, 11276..11422, 11466..11486		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	10917	End	11345
GI	none	Score	329
Exons	10917..11258, 11069..11224, 11262..11345		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	10983	End	11488
GI	none	Score	303
Exons	10983..11258, 11003..11239, 11262..11486, 11276..11488		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	11253	End	11488

GI	none	Score	228
Exons	11253..11402, 11253..11306, 11276..11404, 11372..11488, 11409..11486		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	15575	End	16082
GI	none	Score	79
Exons	15575..15634, 15671..15748, 15672..15740, 15758..16057, 15783..15875, 15990..16082		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o6.tm	Method	TBLASTX:Maize
Start	15672	End	15905
GI	none	Score	174
Exons	15672..15872, 15674..15874, 15846..15905		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o5.tm	Method	TBLASTX:Maize
Start	15996	End	16322
GI	none	Score	247
Exons	15996..16199, 15998..16138, 16256..16321, 16257..16322		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o9.tm	Method	TBLASTX:Maize
Start	21782	End	22052
GI	none	Score	122
Exons	21782..21925, 21807..21944, 21948..22052		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o3.tw	Method	TBLASTX:Wheat
Start	21882	End	22271
GI	none	Score	229
Exons	21882..22271		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	22266	End	22664
GI	none	Score	380
Exons	22266..22664, 22409..22657, 22464..22661		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o4.tw	Method	TBLASTX:Wheat

Start	22771	End	23106
GI	none	Score	82
Exons	22771..22911, 22900..23106		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	22861	End	23277
GI	none	Score	454
Exons	22861..23277, 22881..23276		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	23284	End	23892
GI	none	Score	388
Exons	23284..23892		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o4.ts	Method	TBLASTX:Soybean
Start	23512	End	24029
GI	none	Score	53
Exons	23512..23670, 23701..23862, 23854..23892, 23889..24029, 23923..24021		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	23535	End	23973
GI	none	Score	266
Exons	23535..23822, 23536..23835, 23848..23973, 23880..23969		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o8.tm	Method	TBLASTX:Maize
Start	23950	End	24242
GI	none	Score	167
Exons	23950..24129, 23958..24128, 24136..24201, 24216..24242		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o7.tm	Method	TBLASTX:Maize
Start	24350	End	24922
GI	none	Score	223
Exons	24350..24655, 24469..24621, 24728..24922		

Seq. No.	41411	Seq. ID	OJ991225_73.0317.C6
Gene No.	85788	Strand	-
Start	29500	End	30000
Name	OJ991225_73.0317.C6.o9.gs	Method	GENSCAN

Start	29500	End	30000
GI	none	Score	.72
Exons	29500..29655, 29902..30000		

Seq. No.	41412	Seq. ID	OJ991225_73.0317.C8
Gene No.	85789	Strand	-
Start	1120	End	1948
Name	OJ991225_73.0317.C8.o1.np	Method	AAT/NAP
Start	1120	End	1948
GI	5734635	Score	581
Exons	1120..1697, 1727..1818, 1851..1948		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	41413	Seq. ID	OJ991225_73.0317.C9
Gene No.	85790	Strand	+
Start	1343	End	2679
Name	OJ991225_73.0317.C9.o1.gs	Method	GENSCAN
Start	1343	End	2324
GI	none	Score	.78
Exons	1343..1451, 2251..2324		

Seq. No.	41413	Seq. ID	OJ991225_73.0317.C9
Gene No.	85790	Strand	+
Start	1343	End	2679
Name	OJ991225_73.0317.C9.o1.gp	Method	AAT/GAP
Start	2117	End	2679
GI	38782_1.R1084	Score	792
Exons	2117..2579, 2643..2679		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	41413	Seq. ID	OJ991225_73.0317.C9
Gene No.	85791	Strand	+
Start	5571	End	5756
Name	OJ991225_73.0317.C9.o2.gs	Method	GENSCAN
Start	5571	End	5756
GI	none	Score	.66
Exons	5571..5756		

Seq. No.	41413	Seq. ID	OJ991225_73.0317.C9
Gene No.	85792	Strand	-
Start	1	End	2371
Name	OJ991225_73.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	563
GI	6907086	Score	652
Exons	1..563		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41413	Seq. ID	OJ991225_73.0317.C9
Gene No.	85792	Strand	-
Start	1	End	2371
Name	OJ991225_73.0317.C9.o2.np	Method	AAT/NAP
Start	410	End	2371
GI	4680186	Score	159
Exons	410..514, 1664..1842, 2313..2371		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41413	Seq. ID	OJ991225_73.0317.C9
Gene No.	85793	Strand	-
Start	6059	End	6700
Name	OJ991225_73.0317.C9.o3.gs	Method	GENSCAN
Start	6059	End	6700
GI	none	Score	.75
Exons	6059..6214, 6662..6700		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85794	Strand	+
Start	1425	End	4265
Name	OJ991225_73.0317.C10.o1.np	Method	AAT/NAP
Start	1425	End	4262
GI	7488141	Score	1393
Exons	1425..1523, 2571..4262		
GI Descrip.	probable peptide transport protein T17F15.170 - Arabidopsis thaliana gi|4678332|emb|CAB41143.1| (AL049658) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85794	Strand	+
Start	1425	End	4265
Name	OJ991225_73.0317.C10.o1.gs	Method	GENSCAN
Start	2502	End	4265
GI	none	Score	.71
Exons	2502..4265		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85795	Strand	+
Start	5438	End	6882
Name	OJ991225_73.0317.C10.o2.gs	Method	GENSCAN
Start	5438	End	6882
GI	none	Score	.81
Exons	5438..5554, 5607..5798, 6326..6462, 6584..6615, 6635..6882		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85796	Strand	-
Start	4941	End	5021
Name	OJ991225_73.0317.C10.o1.gp	Method	AAT/GAP
Start	4941	End	5021
GI	90742_1.R1084	Score	105
Exons	4941..5021		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85797	Strand	-
Start	7461	End	13492
Name	OJ991225_73.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	2595	End	13462
GI	none	Score	390
Exons	2595..2915, 2597..2914, 2937..3287, 2957..3286, 3350..3439, 3351..3464, 3387..3449, 3456..3620, 3461..3607, 3630..3842, 3638..3802, 3860..4060, 3861..4061, 3942..4061, 4062..4187, 4064..4189, 13418..13462		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10

Gene No.	85797	Strand	-
Start	7461	End	13492
Name	OJ991225_73.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	2601	End	4078
GI	none	Score	223
Exons	2601..2912, 2937..3053, 3087..3278, 3092..3289, 3381..3464, 3443..3607, 3444..3617, 3627..3848, 3695..3778, 3855..4061, 3899..4078		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85797	Strand	-
Start	7461	End	13492
Name	OJ991225_73.0317.C10.o1.tc	Method	TBLASTX:Cress
Start	2613	End	4046
GI	none	Score	232
Exons	2613..2912, 2937..3284, 3390..3461, 3455..3583, 3456..3614, 3627..3824, 3855..4046		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85797	Strand	-
Start	7461	End	13492
Name	OJ991225_73.0317.C10.o1.tw	Method	TBLASTX:Wheat
Start	3866	End	4184
GI	none	Score	133
Exons	3866..4057, 3873..4058, 4058..4183, 4059..4184		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85797	Strand	-
Start	7461	End	13492
Name	OJ991225_73.0317.C10.o3.gs	Method	GENSCAN
Start	7461	End	13492
GI	none	Score	.8
Exons	7461..7568, 8299..8438, 13300..13492		

Seq. No.	41414	Seq. ID	OJ991225_73.0317.C10
Gene No.	85797	Strand	-
Start	7461	End	13492
Name	OJ991225_73.0317.C10.o2.gp	Method	AAT/GAP
Start	8958	End	9210
GI	3106573	Score	303
Exons	8958..9210		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85798	Strand	+
Start	1	End	4982
Name	OJ991225_73.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	4982
GI	6175185	Score	391
Exons	1..228, 971..1114, 1412..1501, 1632..1754, 2158..2378, 2629..2716, 3386..3556, 3650..3729, 4940..4982		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85798	Strand	+
Start	1	End	4982

Name	OJ991225_73.0317.C13.o1.gs	Method	GENSCAN
Start	101	End	4033
GI	none	Score	.9
Exons	101..235, 975..1114, 1412..1501, 1632..1754, 2158..2310, 2600..2716, 3386..3556, 3806..4033		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85798	Strand	+
Start	1	End	4982
Name	OJ991225_73.0317.C13.o1.gp	Method	AAT/GAP
Start	4408	End	4981
GI	none	Score	806
Exons	4408..4981		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o6.tm	Method	TBLASTX:Maize
Start	3383	End	3727
GI	none	Score	174
Exons	3383..3556, 3650..3727		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o5.tm	Method	TBLASTX:Maize
Start	4436	End	4962
GI	none	Score	40
Exons	4436..4474, 4436..4477, 4479..4595, 4588..4632, 4709..4759, 4710..4760, 4711..4803, 4750..4872, 4751..4864, 4792..4872, 4878..4955, 4885..4962, 4895..4954		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o2.gs	Method	GENSCAN
Start	4711	End	7085
GI	none	Score	.97
Exons	4711..5355, 5491..5551, 5632..6008, 6225..7085		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o2.np	Method	AAT/NAP
Start	4714	End	8035
GI	4544389	Score	734
Exons	4714..4804, 4841..5091, 5245..5355, 5491..5551, 5632..6008, 6225..6352, 6407..6496, 8015..8035		
GI Descrip.	(AC007047) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o2.gp	Method	AAT/GAP
Start	4825	End	5158
GI	none	Score	633

Exons	4825..5158		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	4964	End	6011
GI	none	Score	144
Exons	4964..5116, 4965..5099, 4966..5100, 5042..5116, 5121..5357, 5122..5358, 5122..5358, 5129..5392, 5485..5550, 5492..5551, 5523..5570, 5626..6009, 5629..6009, 5631..6011		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o1.ts	Method	TBLASTX:Soybean
Start	5209	End	6011
GI	none	Score	95
Exons	5209..5358, 5276..5359, 5283..5369, 5485..5550, 5489..5548, 5626..5760, 5628..5729, 5631..5786, 5632..5757, 5797..6009, 5833..6009, 5847..6011		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	5282	End	6488
GI	none	Score	69
Exons	5282..5353, 5284..5358, 5485..5550, 5489..5551, 5629..5709, 5631..5783, 5815..5997, 5847..6011, 6222..6425, 6429..6488		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o3.gp	Method	AAT/GAP
Start	6233	End	6719
GI	none	Score	908
Exons	6233..6719		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o3.tm	Method	TBLASTX:Maize
Start	6248	End	6477
GI	none	Score	238
Exons	6248..6466, 6249..6476, 6250..6477		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	6490	End	6844
GI	none	Score	61
Exons	6490..6540, 6492..6548, 6543..6818, 6551..6817, 6552..6818, 6590..6844		
Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13

Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o4.gp	Method	AAT/GAP
Start	6873	End	9230
GI	none	Score	1440
Exons	6873..7232, 7924..8004, 8930..9230		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o4.tm	Method	TBLASTX:Maize
Start	6903	End	7106
GI	none	Score	230
Exons	6903..7106, 6904..7104		

Seq. No.	41415	Seq. ID	OJ991225_73.0317.C13
Gene No.	85799	Strand	-
Start	4711	End	9471
Name	OJ991225_73.0317.C13.o3.gs	Method	GENSCAN
Start	8835	End	9471
GI	none	Score	.45
Exons	8835..9013, 9409..9471		

Seq. No.	41416	Seq. ID	OJ991225_73.0317.C14
Gene No.	85800	Strand	-
Start	3903	End	5176
Name	OJ991225_73.0317.C14.o2.gs	Method	GENSCAN
Start	3903	End	5176
GI	none	Score	.48
Exons	3903..4117, 5158..5176		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-
Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.gs	Method	GENSCAN
Start	815	End	2848
GI	none	Score	.43
Exons	815..1019, 1108..1208, 1294..1442, 2184..2425, 2502..2848		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-
Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.gp	Method	AAT/GAP
Start	1755	End	2226
GI	none	Score	295
Exons	1755..1893, 2184..2226		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-
Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	2113	End	2738
GI	none	Score	217
Exons	2113..2424, 2161..2424, 2186..2428, 2469..2738, 2501..2737		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-

Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.np	Method	AAT/NAP
Start	2176	End	2745
GI	6562252	Score	423
Exons	2176..2425, 2502..2745		
GI Descrip.	(AL132980) epoxide hydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-
Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.ts	Method	TBLASTX:Soybean
Start	2260	End	2743
GI	none	Score	56
Exons	2260..2424, 2336..2425, 2513..2617, 2517..2585, 2672..2743		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-
Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.tc	Method	TBLASTX:Cress
Start	2272	End	2743
GI	none	Score	76
Exons	2272..2331, 2344..2424, 2345..2434, 2499..2666, 2502..2633, 2504..2662, 2642..2743, 2658..2738		

Seq. No.	41417	Seq. ID	OJ991225_73.0317.C15
Gene No.	85801	Strand	-
Start	815	End	2848
Name	OJ991225_73.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	2579	End	2746
GI	none	Score	175
Exons	2579..2743, 2580..2741, 2615..2746		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16
Gene No.	85802	Strand	-
Start	310	End	777
Name	OJ991225_73.0317.C16.o1.gs	Method	GENSCAN
Start	310	End	777
GI	none	Score	.67
Exons	310..777		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16
Gene No.	85803	Strand	-
Start	2130	End	3578
Name	OJ991225_73.0317.C16.o1.tw	Method	TBLASTX:Wheat
Start	308	End	522
GI	none	Score	48
Exons	308..334, 309..338, 337..522, 338..490		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16
Gene No.	85803	Strand	-
Start	2130	End	3578
Name	OJ991225_73.0317.C16.o1.ts	Method	TBLASTX:Soybean
Start	364	End	768
GI	none	Score	75
Exons	364..699, 368..547, 641..700, 706..768, 707..745		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16

Gene No.	85803	Strand	-
Start	2130	End	3578
Name	OJ991225_73.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	370	End	790
GI	none	Score	184
Exons	370..783, 371..577, 635..790		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16
Gene No.	85803	Strand	-
Start	2130	End	3578
Name	OJ991225_73.0317.C16.o1.tc	Method	TBLASTX:Cress
Start	374	End	762
GI	none	Score	98
Exons	374..484, 382..486, 496..762, 635..751		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16
Gene No.	85803	Strand	-
Start	2130	End	3578
Name	OJ991225_73.0317.C16.o2.tw	Method	TBLASTX:Wheat
Start	547	End	762
GI	none	Score	101
Exons	547..762, 548..736, 634..756		

Seq. No.	41418	Seq. ID	OJ991225_73.0317.C16
Gene No.	85803	Strand	-
Start	2130	End	3578
Name	OJ991225_73.0317.C16.o1.np	Method	AAT/NAP
Start	2130	End	3578
GI	6907088	Score	1084
Exons	2130..2527, 3028..3265, 3441..3578		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85804	Strand	+
Start	21205	End	21588
Name	OJ991225_73.0317.C17.o5.gp	Method	AAT/GAP
Start	21205	End	21588
GI	2311431	Score	728
Exons	21205..21588		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85805	Strand	-
Start	8	End	381
Name	OJ991225_73.0317.C17.o1.gs	Method	GENSCAN
Start	8	End	381
GI	none	Score	.78
Exons	8..381		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85806	Strand	-
Start	1681	End	5088
Name	OJ991225_73.0317.C17.o1.gp	Method	AAT/GAP
Start	1193	End	4478
GI	500_1.R1084	Score	1496
Exons	1193..1537, 1625..1713, 3661..3724, 3849..3951, 4145..4248, 4353..4478		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence'

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85806	Strand	-
Start	1681	End	5088
Name	OJ991225_73.0317.C17.o1.np	Method	AAT/NAP
Start	1445	End	4382
GI	1174853	Score	641
Exons	1445..1537, 1625..1713, 3661..3724, 3849..3951, 4145..4248, 4353..4382		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-18 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42) gi|481811|pir||S39483 ubiquitin-conjugating enzyme UBC2-1 - Arabidopsis thaliana gi|22658|emb|CAA48378| (X68306) ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85806	Strand	-
Start	1681	End	5088
Name	OJ991225_73.0317.C17.o2.gs	Method	GENSCAN
Start	1681	End	5088
GI	none	Score	.57
Exons	1681..1850, 3661..3724, 3849..3951, 4172..4248, 4353..4432, 5085..5088		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85807	Strand	-
Start	7076	End	8458
Name	OJ991225_73.0317.C17.o3.gs	Method	GENSCAN
Start	7076	End	8458
GI	none	Score	.94
Exons	7076..8458		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85808	Strand	-
Start	10078	End	12906
Name	OJ991225_73.0317.C17.o2.gp	Method	AAT/GAP
Start	9677	End	10060
GI	3768716	Score	726
Exons	9677..10060		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85808	Strand	-
Start	10078	End	12906
Name	OJ991225_73.0317.C17.o2.np	Method	AAT/NAP
Start	10069	End	12873
GI	4160280	Score	1632
Exons	10069..10973, 12309..12621, 12691..12873		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85808	Strand	-
Start	10078	End	12906
Name	OJ991225_73.0317.C17.o4.gs	Method	GENSCAN
Start	10078	End	12873
GI	none	Score	.74
Exons	10078..10973, 12309..12621, 12691..12873		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85808	Strand	-
Start	10078	End	12906
Name	OJ991225_73.0317.C17.o3.gp	Method	AAT/GAP
Start	10124	End	10446
GI	uC-osf1M202097e03b1	Score	646
Exons	10124..10446		
GI Descrip.	'4874290/gb|AAD31353.1|AC007212_9 4.0e-41 (AC007212) putative purple acid phosphatase [Arabidopsis thaliana]'		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85808	Strand	-
Start	10078	End	12906
Name	OJ991225_73.0317.C17.o4.gp	Method	AAT/GAP
Start	12420	End	12906
GI	4968941	Score	701
Exons	12420..12621, 12691..12906		
GI Descrip.	4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o3.tm	Method	TBLASTX:Maize
Start	1182	End	4383
GI	none	Score	158
Exons	1182..1319, 1322..1396, 1442..1540, 1443..1538, 1625..1714, 1625..1729, 1626..1730, 3657..3725, 3658..3726, 3658..3699, 3662..3727, 3827..3952, 3837..3953, 3837..3965, 4142..4249, 4144..4251, 4145..4249, 4348..4383, 4351..4383		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o2.tc	Method	TBLASTX:Cress
Start	1431	End	3902
GI	none	Score	128
Exons	1431..1538, 1442..1540, 1446..1538, 1625..1729, 1626..1730, 1626..1730, 3657..3725, 3662..3727, 3837..3902, 3841..3888		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o2.ts	Method	TBLASTX:Soybean
Start	1442	End	4266
GI	none	Score	140
Exons	1442..1540, 1443..1538, 1443..1565, 1604..1714, 1625..1729, 1626..1730, 1627..1740, 3657..3725, 3662..3727, 3837..3965, 3838..3897, 3846..3953, 4144..4188, 4145..4192, 4171..4266, 4171..4245		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o1.tw	Method	TBLASTX:Wheat
Start	1502	End	4386

GI	none	Score	49
Exons	1502..1540, 1503..1538, 1625..1729, 1626..1730, 3654..3725, 3655..3726, 3656..3727, 3660..3725, 3662..3727, 3837..3965, 3849..3950, 4142..4249, 4144..4251, 4145..4249, 4147..4251, 4351..4386, 4353..4385		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o1.tm	Method	TBLASTX:Maize
Start	7085	End	16995
GI	none	Score	155
Exons	7085..7897, 7086..7250, 7308..7898, 7913..8065, 7917..8051, 8042..8113, 10087..10563, 10088..10579, 10565..10906, 10573..10905, 10918..10974, 12305..12418, 12367..12450, 15991..16812, 15998..16813, 16825..16995, 16832..16984		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o2.tw	Method	TBLASTX:Wheat
Start	7085	End	16171
GI	none	Score	107
Exons	7085..7258, 10078..10266, 10118..10267, 15997..16170, 16028..16171		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o1.tc	Method	TBLASTX:Cress
Start	7097	End	22883
GI	none	Score	118
Exons	7097..7840, 7098..7250, 7308..7700, 7770..7838, 7847..8038, 7860..8024, 8039..8131, 8138..8389, 8196..8348, 10102..10575, 10112..10363, 10406..10576, 10565..10708, 10570..10848, 10730..10843, 10855..10974, 10871..10975, 12367..12624, 12697..12789, 16015..16755, 16022..16753, 16762..16995, 16775..16984, 22638..22883, 22738..22842		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o1.ts	Method	TBLASTX:Soybean
Start	7097	End	22883
GI	none	Score	94
Exons	7097..7840, 7098..7256, 7311..7706, 7770..7841, 7847..8050, 7866..8024, 8039..8131, 8046..8093, 8138..8389, 8211..8348, 10102..10578, 10112..10576, 10570..10848, 10571..10849, 10855..10974, 10874..10975, 12305..12622, 12367..12624, 12697..12789, 16015..16755, 16070..16585, 16637..16756, 16762..17001, 16775..17002, 22638..22883, 22729..22842		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o2.tm	Method	TBLASTX:Maize
Start	8138	End	22904

GI	none	Score	185
Exons	8138..8398, 8181..8399, 12451..12624, 12452..12622, 12679..12777, 12689..12787, 12690..12764, 12697..12786, 22635..22904, 22636..22668, 22729..22842		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o5.gs	Method	GENSCAN
Start	15955	End	16968
GI	none	Score	1
Exons	15955..16968		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o3.np	Method	AAT/NAP
Start	15979	End	23018
GI	4160280	Score	1526
Exons	15979..17001, 22629..23018		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o6.gs	Method	GENSCAN
Start	18275	End	20328
GI	none	Score	.72
Exons	18275..18325, 19072..19261, 19303..19616, 20281..20328		

Seq. No.	41419	Seq. ID	OJ991225_73.0317.C17
Gene No.	85809	Strand	-
Start	15955	End	23538
Name	OJ991225_73.0317.C17.o7.gs	Method	GENSCAN
Start	22617	End	23538
GI	none	Score	.64
Exons	22617..22998, 23144..23323, 23501..23538		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85810	Strand	+
Start	6620	End	8649
Name	OJ991225_73.0317.C18.o1.gp	Method	AAT/GAP
Start	6557	End	7114
GI	52378_1.R1084	Score	1091
Exons	6557..7114		
GI Descrip.	'4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85810	Strand	+
Start	6620	End	8649
Name	OJ991225_73.0317.C18.o1.np	Method	AAT/NAP
Start	6608	End	8373
GI	7487051	Score	1496
Exons	6608..8373		
GI Descrip.	hypothetical protein T16B24.15 - Arabidopsis thaliana gi|3402684|gb|AAC28987.1| (AC004697) nodulin-like protein		

[Arabidopsis thaliana]

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85810	Strand	+
Start	6620	End	8649
Name	OJ991225_73.0317.C18.o3.gs	Method	GENSCAN
Start	6620	End	8395
GI	none	Score	1
Exons	6620..8395		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85810	Strand	+
Start	6620	End	8649
Name	OJ991225_73.0317.C18.o2.gp	Method	AAT/GAP
Start	8106	End	8649
GI	none	Score	993
Exons	8106..8649		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85811	Strand	+
Start	13187	End	13686
Name	OJ991225_73.0317.C18.o3.gp	Method	AAT/GAP
Start	13187	End	13686
GI	52378_1.R1084	Score	880
Exons	13187..13686		
GI Descrip.	'4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85812	Strand	+
Start	14105	End	14333
Name	OJ991225_73.0317.C18.o5.np	Method	AAT/NAP
Start	14105	End	14333
GI	6069646	Score	232
Exons	14105..14333		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85813	Strand	+
Start	19166	End	20664
Name	OJ991225_73.0317.C18.o7.gs	Method	GENSCAN
Start	19166	End	20664
GI	none	Score	.62
Exons	19166..19328, 19913..20085, 20593..20664		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85814	Strand	-
Start	4445	End	4663
Name	OJ991225_73.0317.C18.o2.gs	Method	GENSCAN
Start	4445	End	4663
GI	none	Score	.63
Exons	4445..4663		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85815	Strand	-
Start	10642	End	15313
Name	OJ991225_73.0317.C18.o2.np	Method	AAT/NAP
Start	10642	End	15313
GI	6069646	Score	1236
Exons	10642..11659, 15278..15313		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85815	Strand	-
Start	10642	End	15313
Name	OJ991225_73.0317.C18.o4.np	Method	AAT/NAP
Start	11898	End	13693
GI	7487051	Score	1525
Exons	11898..13693		
GI Descrip.	hypothetical protein T16B24.15 - Arabidopsis thaliana gi|3402684|gb|AAC28987.1| (AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85815	Strand	-
Start	10642	End	15313
Name	OJ991225_73.0317.C18.o5.gs	Method	GENSCAN
Start	11942	End	13681
GI	none	Score	1
Exons	11942..13681		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85816	Strand	-
Start	18080	End	18343
Name	OJ991225_73.0317.C18.o4.gp	Method	AAT/GAP
Start	17875	End	18269
GI	5607397	Score	720
Exons	17875..18269		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85816	Strand	-
Start	18080	End	18343
Name	OJ991225_73.0317.C18.o6.gs	Method	GENSCAN
Start	18080	End	18343
GI	none	Score	.67
Exons	18080..18343		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85817	Strand	-
Start	22288	End	26649
Name	OJ991225_73.0317.C18.o8.gs	Method	GENSCAN
Start	22288	End	25879
GI	none	Score	.78
Exons	22288..22512, 22598..22731, 23085..23339, 23465..23797, 23892..24074, 24117..24186, 24661..24732, 25479..25603, 25726..25879		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85817	Strand	-
Start	22288	End	26649
Name	OJ991225_73.0317.C18.o6.np	Method	AAT/NAP
Start	22297	End	25667
GI	4263791	Score	1072
Exons	22297..22512, 22598..22731, 23085..23330, 23465..23806, 23934..24069, 24218..24290, 24476..24547, 24661..24732, 24802..24873, 24983..25054, 25166..25237, 25468..25667		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85817	Strand	-
Start	22288	End	26649
Name	OJ991225_73.0317.C18.o7.np	Method	AAT/NAP
Start	22333	End	26649
GI	6729526	Score	263
Exons	22333..22509, 22592..22716, 23001..23316, 23439..23907, 23954..24071, 24157..24361, 24476..24557, 24668..24732, 24802..24873, 24983..25054, 25166..25237, 25468..25627, 26589..26649		
GI Descrip.	(AL132977) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85817	Strand	-
Start	22288	End	26649
Name	OJ991225_73.0317.C18.o5.gp	Method	AAT/GAP
Start	22465	End	23339
GI	LIB3434-029-P1-K1-A7	Score	803
Exons	22465..22512, 22598..22731, 23085..23339		
GI Descrip.	'4263791/gb|AAD15451| 4.0e-54 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o4.tm	Method	TBLASTX:Maize
Start	6652	End	13649
GI	none	Score	339
Exons	6652..6936, 6653..6937, 6857..6937, 6944..7111, 6952..7104, 6953..7105, 13190..13357, 13197..13349, 13364..13645, 13365..13649		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o5.ts	Method	TBLASTX:Soybean
Start	6653	End	13646
GI	none	Score	214
Exons	6653..6829, 6655..6825, 13472..13645, 13476..13646		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o3.tc	Method	TBLASTX:Cress

Start	6659	End	13642
GI	none	Score	193
Exons	6659..6937, 6953..7123, 6976..7107, 13178..13348, 13194..13325, 13364..13642, 13365..13631		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o4.ts	Method	TBLASTX:Soybean
Start	6835	End	13466
GI	none	Score	107
Exons	6835..6930, 6836..6940, 6956..7132, 6959..7108, 6970..7131, 7151..7249, 13058..13156, 13169..13354, 13170..13331, 13361..13465, 13371..13466		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o4.tc	Method	TBLASTX:Cress
Start	7574	End	12712
GI	none	Score	128
Exons	7574..7738, 7579..7722, 7733..8092, 7741..8103, 8147..8188, 12101..12136, 12188..12424, 12204..12419, 12479..12553, 12492..12551, 12548..12712, 12564..12707		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o5.tm	Method	TBLASTX:Maize
Start	7574	End	12799
GI	none	Score	354
Exons	7574..7831, 7576..7824, 12479..12799, 12492..12710		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o2.ts	Method	TBLASTX:Soybean
Start	7675	End	12611
GI	none	Score	365
Exons	7675..8049, 7679..8065, 12221..12433, 12222..12410, 12479..12607, 12489..12611		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o6.tm	Method	TBLASTX:Maize
Start	7856	End	12434
GI	none	Score	45
Exons	7856..8002, 7857..7913, 7876..8133, 7895..8092, 8147..8188, 12101..12136, 12188..12433, 12207..12434		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o2.tw	Method	TBLASTX:Wheat
Start	8553	End	11136
GI	none	Score	162

Exons	8553..8756, 8853..8993, 10987..11136		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o8.tm	Method	TBLASTX:Maize
Start	8553	End	14303
GI	none	Score	98
Exons	8553..8699, 10882..11214, 10937..11095, 14163..14303		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o10.tm	Method	TBLASTX:Maize
Start	11218	End	11458
GI	none	Score	77
Exons	11218..11457, 11219..11458		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o9.tm	Method	TBLASTX:Maize
Start	11545	End	11850
GI	none	Score	156
Exons	11545..11850, 11555..11845		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o3.tm	Method	TBLASTX:Maize
Start	22287	End	23196
GI	none	Score	152
Exons	22287..22421, 22288..22512, 22288..22527, 22322..22513, 22479..22523, 22590..22733, 22594..22734, 22595..22750, 22600..22779, 23086..23196, 23087..23188		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o1.tc	Method	TBLASTX:Cress
Start	22595	End	23595
GI	none	Score	219
Exons	22595..22684, 22679..22717, 23086..23376, 23087..23377, 23466..23594, 23467..23595		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o3.ts	Method	TBLASTX:Soybean
Start	22637	End	23699
GI	none	Score	115
Exons	22637..22678, 22679..22750, 23086..23352, 23087..23311, 23155..23352, 23463..23627, 23634..23699		
Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358

Name	OJ991225_73.0317.C18.o1.tw	Method	TBLASTX:Wheat
Start	23185	End	23687
GI	none	Score	60
Exons	23185..23379, 23231..23317, 23481..23687		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o7.tm	Method	TBLASTX:Maize
Start	23197	End	23528
GI	none	Score	130
Exons	23197..23346, 23202..23339, 23228..23341, 23463..23528, 23465..23518		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o2.tm	Method	TBLASTX:Maize
Start	23529	End	25206
GI	none	Score	92
Exons	23529..23636, 23533..23607, 23535..23636, 23637..23702, 23644..23712, 23715..23795, 23717..23794, 23734..23799, 23754..23798, 23846..24064, 23875..24060, 23903..24061, 24047..24076, 24052..24084, 24174..24290, 24184..24291, 24194..24289, 24440..24547, 24475..24579, 24475..24561, 24651..24731, 24652..24732, 24667..24753, 24783..24872, 24787..24876, 24802..24873, 24964..25050, 24976..25053, 24980..25054, 24983..25054, 25165..25206, 25169..25204		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o6.ts	Method	TBLASTX:Soybean
Start	23704	End	24701
GI	none	Score	60
Exons	23704..23793, 23896..24021, 23896..24084, 24200..24289, 24201..24290, 24446..24559, 24473..24559, 24475..24564, 24651..24701		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o9.gs	Method	GENSCAN
Start	28321	End	29310
GI	none	Score	.97
Exons	28321..29310		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o8.np	Method	AAT/NAP
Start	28322	End	29358
GI	7488141	Score	650
Exons	28322..29358		
GI Descrip.	probable peptide transport protein T17F15.170 - Arabidopsis thaliana gi|4678332|emb|CAB41143.1| (AL049658) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	28393	End	29358
GI	none	Score	69
Exons	28393..28506, 28393..28521, 28406..28519, 28522..28707, 28601..28708, 28745..29131, 28756..29130, 29081..29236, 29182..29253, 29305..29358, 29321..29356		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o3.tw	Method	TBLASTX:Wheat
Start	28393	End	28704
GI	none	Score	130
Exons	28393..28524, 28525..28704		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o2.tc	Method	TBLASTX:Cress
Start	28411	End	29214
GI	none	Score	39
Exons	28411..28548, 28525..28707, 28753..28833, 28840..28977, 28960..29127, 29182..29214		

Seq. No.	41420	Seq. ID	OJ991225_73.0317.C18
Gene No.	85818	Strand	-
Start	28321	End	29358
Name	OJ991225_73.0317.C18.o1.ts	Method	TBLASTX:Soybean
Start	28459	End	29095
GI	none	Score	73
Exons	28459..28545, 28525..28707, 28604..28705, 28751..29095, 28753..29094		

Seq. No.	41421	Seq. ID	OJ991225_73.0317.C19
Gene No.	85819	Strand	-
Start	144	End	224
Name	OJ991225_73.0317.C19.o1.gs	Method	GENSCAN
Start	144	End	224
GI	none	Score	.66
Exons	144..224		

Seq. No.	41422	Seq. ID	OJ991225_71.0320.C4
Gene No.	85820	Strand	-
Start	428	End	1029
Name	OJ991225_71.0320.C4.o1.gs	Method	GENSCAN
Start	428	End	1029
GI	none	Score	.85
Exons	428..542, 645..890, 980..1029		

Seq. No.	41422	Seq. ID	OJ991225_71.0320.C4
Gene No.	85820	Strand	-
Start	428	End	1029
Name	OJ991225_71.0320.C4.o1.ts	Method	TBLASTX:Soybean

Start	428	End	884
GI	none	Score	70
Exons	428..550, 429..500, 647..871, 699..884		

Seq. No.	41422	Seq. ID	OJ991225_71.0320.C4
Gene No.	85820	Strand	-
Start	428	End	1029
Name	OJ991225_71.0320.C4.o1.tm	Method	TBLASTX:Maize
Start	428	End	874
GI	none	Score	67
Exons	428..556, 429..506, 659..874		

Seq. No.	41422	Seq. ID	OJ991225_71.0320.C4
Gene No.	85820	Strand	-
Start	428	End	1029
Name	OJ991225_71.0320.C4.o1.tc	Method	TBLASTX:Cress
Start	449	End	871
GI	none	Score	62
Exons	449..556, 450..506, 647..871		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85821	Strand	+
Start	6655	End	7081
Name	OJ991225_71.0320.C5.o1.gp	Method	AAT/GAP
Start	6655	End	7081
GI	4878407	Score	648
Exons	6655..7081		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85822	Strand	-
Start	1	End	3294
Name	OJ991225_71.0320.C5.o1.np	Method	AAT/NAP
Start	1	End	3294
GI	3695019	Score	547
Exons	1..571, 661..766, 1584..1743, 3258..3294		
GI Descrip.	(AF055848) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85822	Strand	-
Start	1	End	3294
Name	OJ991225_71.0320.C5.o1.gs	Method	GENSCAN
Start	16	End	2116
GI	none	Score	.88
Exons	16..610, 661..766, 1584..1745, 1852..1931, 2043..2116		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85823	Strand	-
Start	5678	End	6552
Name	OJ991225_71.0320.C5.o2.np	Method	AAT/NAP
Start	4829	End	6552
GI	6907086	Score	647
Exons	4829..4953, 4985..5216, 5426..5716, 5777..6552		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5

Gene No.	85823	Strand	-
Start	5678	End	6552
Name	OJ991225_71.0320.C5.o2.gs	Method	GENSCAN
Start	5678	End	6349
GI	none	Score	.81
Exons	5678..6349		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85824	Strand	-
Start	6579	End	9824
Name	OJ991225_71.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	49	End	1740
GI	none	Score	116
Exons	49..507, 50..220, 284..478, 675..722, 726..767, 1651..1740		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85824	Strand	-
Start	6579	End	9824
Name	OJ991225_71.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	49	End	6331
GI	none	Score	132
Exons	49..507, 50..214, 196..480, 1649..1753, 1651..1740, 6110..6331		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85824	Strand	-
Start	6579	End	9824
Name	OJ991225_71.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	49	End	491
GI	none	Score	111
Exons	49..261, 50..220, 244..327, 284..325, 450..491		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85824	Strand	-
Start	6579	End	9824
Name	OJ991225_71.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	49	End	1740
GI	none	Score	111
Exons	49..507, 50..214, 374..490, 526..570, 681..722, 1660..1740		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85824	Strand	-
Start	6579	End	9824
Name	OJ991225_71.0320.C5.o3.np	Method	AAT/NAP
Start	6579	End	9824
GI	4680186	Score	169
Exons	6579..6626, 7224..7380, 9770..9824		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41423	Seq. ID	OJ991225_71.0320.C5
Gene No.	85824	Strand	-
Start	6579	End	9824
Name	OJ991225_71.0320.C5.o4.np	Method	AAT/NAP
Start	7945	End	8049
GI	6721512	Score	51
Exons	7945..8049		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85825	Strand	+
Start	5	End	4309
Name	OJ991225_71.0320.C6.o1.gs	Method	GENSCAN
Start	5	End	4309
GI	none	Score	.56
Exons	5..123, 477..590, 610..768, 1069..2349, 2447..4105, 4114..4309		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85825	Strand	+
Start	5	End	4309
Name	OJ991225_71.0320.C6.o1.np	Method	AAT/NAP
Start	1088	End	4306
GI	6907089	Score	4359
Exons	1088..2349, 2447..4306		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85826	Strand	-
Start	4966	End	6559
Name	OJ991225_71.0320.C6.o2.np	Method	AAT/NAP
Start	4936	End	6559
GI	6498441	Score	2539
Exons	4936..5217, 5311..6559		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85826	Strand	-
Start	4966	End	6559
Name	OJ991225_71.0320.C6.o2.tw	Method	TBLASTX:Wheat
Start	4945	End	5547
GI	none	Score	73
Exons	4945..5070, 4949..5071, 5237..5407, 5245..5547, 5264..5542		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85826	Strand	-
Start	4966	End	6559
Name	OJ991225_71.0320.C6.o2.gs	Method	GENSCAN
Start	4966	End	6486
GI	none	Score	.96
Exons	4966..6486		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85826	Strand	-
Start	4966	End	6559
Name	OJ991225_71.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	5548	End	5929
GI	none	Score	233
Exons	5548..5928, 5579..5929		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85826	Strand	-
Start	4966	End	6559
Name	OJ991225_71.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	5723	End	6066

GI	none	Score	217
Exons	5723..5857, 5743..6066, 5756..6037		

Seq. No.	41424	Seq. ID	OJ991225_71.0320.C6
Gene No.	85826	Strand	-
Start	4966	End	6559
Name	OJ991225_71.0320.C6.o3.tw	Method	TBLASTX:Wheat
Start	6259	End	6558
GI	none	Score	55
Exons	6259..6558, 6395..6550		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o1.np	Method	AAT/NAP
Start	1	End	3794
GI	7228457	Score	5370
Exons	1..412, 535..1367, 1431..3366, 3428..3794		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o1.gs	Method	GENSCAN
Start	57	End	6908
GI	none	Score	.62
Exons	57..749, 994..1367, 1431..3865, 3902..4076, 4432..4474, 5273..5322, 5610..5700, 6763..6908		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o1.ts	Method	TBLASTX:Soybean
Start	341	End	712
GI	none	Score	84
Exons	341..712, 552..695		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o2.tw	Method	TBLASTX:Wheat
Start	371	End	789
GI	none	Score	258
Exons	371..736, 396..737, 512..754, 738..788, 742..789		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o2.tm	Method	TBLASTX:Maize
Start	464	End	845
GI	none	Score	191
Exons	464..739, 483..737, 746..811, 747..845		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-

Start	1	End	6908
Name	OJ991225_71.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	873	End	1229
GI	none	Score	73
Exons	873..989, 873..1229, 883..1194		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o1.tw	Method	TBLASTX:Wheat
Start	897	End	1360
GI	none	Score	217
Exons	897..1358, 903..1358, 904..1359, 917..1360		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o2.ts	Method	TBLASTX:Soybean
Start	954	End	1319
GI	none	Score	118
Exons	954..1088, 1095..1319		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o3.tw	Method	TBLASTX:Wheat
Start	1524	End	2010
GI	none	Score	179
Exons	1524..2009, 1555..1815, 1837..2010		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o4.tw	Method	TBLASTX:Wheat
Start	2748	End	3137
GI	none	Score	78
Exons	2748..3005, 2782..2988, 2988..3086, 3031..3069, 3093..3137		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o3.tm	Method	TBLASTX:Maize
Start	2850	End	3134
GI	none	Score	71
Exons	2850..3098, 2851..2982, 2862..3134		

Seq. No.	41425	Seq. ID	OJ991225_71.0320.C7
Gene No.	85827	Strand	-
Start	1	End	6908
Name	OJ991225_71.0320.C7.o2.np	Method	AAT/NAP
Start	4023	End	4603
GI	5042454	Score	185
Exons	4023..4083, 4438..4603		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85828	Strand	+

Start	2542	End	16195
Name	OJ991225_71.0320.C8.o1.gs	Method	GENSCAN
Start	2542	End	16195
GI	none	Score	.79
Exons	2542..2682, 3142..3168, 5137..5178, 5207..5693, 5974..6144, 6232..6281, 6400..6456, 6751..6816, 7143..7217, 7657..7772, 7857..7948, 8869..9079, 9112..9476, 9916..10216, 10341..10437, 10531..10797, 10876..10953, 11037..11201, 11615..11713, 12127..12250, 12666..12821, 12900..13066, 13328..13402, 16085..16195		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85828	Strand	+
Start	2542	End	16195
Name	OJ991225_71.0320.C8.o2.gp	Method	AAT/GAP
Start	6108	End	8613
GI	12651_2.R1084	Score	1258
Exons	6108..6144, 6232..6281, 6400..6456, 6751..6816, 7143..7217, 7657..7772, 7857..7948, 8211..8269, 8384..8613		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85828	Strand	+
Start	2542	End	16195
Name	OJ991225_71.0320.C8.o3.gp	Method	AAT/GAP
Start	9288	End	10196
GI	uC-osf1cyp120f02b1	Score	878
Exons	9288..9476, 9913..10196		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85828	Strand	+
Start	2542	End	16195
Name	OJ991225_71.0320.C8.o1.np	Method	AAT/NAP
Start	9465	End	13947
GI	7487350	Score	1136
Exons	9465..9498, 9922..10216, 10341..10440, 10531..10797, 10876..10953, 11100..11201, 11330..11507, 11615..11716, 11799..11925, 12137..12266, 12682..12818, 12867..13066, 13328..13409, 13922..13947		
GI Descrip.	hypothetical protein T22F8.70 - Arabidopsis thaliana gi|4914429|emb|CAB43632.1| (AL050351) SEC14-like protein [Arabidopsis thaliana] gi|7270900|emb|CAB80580.1| (AL161594) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85829	Strand	-
Start	13689	End	14083
Name	OJ991225_71.0320.C8.o4.gp	Method	AAT/GAP
Start	13689	End	14083
GI	uC-osf1M202084e07a1	Score	772
Exons	13689..14083		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	5972	End	8270
GI	none	Score	37
Exons	5972..5998, 5973..5999, 5996..6145, 5997..6143, 6010..6150, 6231..6287, 6231..6284, 6233..6289, 6399..6464, 6400..6465, 6400..6462, 6748..6816, 6749..6817, 6749..6817, 6750..6818, 6751..6819, 7140..7226, 7140..7217, 7145..7231, 7145..7219, 7654..7776, 7655..7777, 7656..7772, 7656..7778, 7657..7773, 7854..7946, 7855..7953, 7855..7953, 8207..8266, 8211..8270		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o2.ts	Method	TBLASTX:Soybean
Start	6029	End	7956
GI	none	Score	132
Exons	6029..6142, 6030..6143, 6231..6287, 6403..6459, 6751..6819, 7140..7226, 7145..7219, 7657..7713, 7855..7947, 7855..7956		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	9919	End	13402
GI	none	Score	94
Exons	9919..9987, 9924..10049, 9924..10067, 9925..10068, 10101..10217, 10107..10217, 10108..10221, 10332..10439, 10339..10437, 10340..10447, 10507..10797, 10528..10797, 10530..10835, 10875..10952, 10876..10953, 10876..10953, 11097..11204, 11097..11201, 11099..11209, 11099..11203, 11281..11328, 11282..11329, 11384..11449, 11406..11450, 11409..11450, 11438..11506, 11439..11507, 11457..11513, 11594..11695, 11612..11713, 11614..11700, 11800..11907, 11801..11896, 11801..11911, 12113..12160, 12175..12252, 12667..12807, 12668..12889, 12875..13072, 12886..13065, 13316..13402		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	10101	End	13402
GI	none	Score	119
Exons	10101..10217, 10109..10219, 10332..10433, 10339..10434, 10522..10608, 10591..10797, 10593..10796, 10601..10798, 10602..10799, 10876..10953, 11097..11204, 11117..11203, 11282..11326, 11384..11500, 11406..11510, 11406..11507, 12704..13072, 12880..13065, 13322..13402		

Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o1.tc	Method	TBLASTX:Cress
Start	10405	End	10767
GI	none	Score	45

Exons	10405..10434, 10526..10642, 10530..10748, 10531..10767, 10557..10766		
Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o1.tw	Method	TBLASTX:Wheat
Start	10552	End	11331
GI	none	Score	365
Exons	10552..10797, 10566..10835, 10566..10796, 10875..10952, 10876..10953, 10876..10953, 11097..11204, 11099..11209, 11099..11203, 11275..11331, 11282..11329, 11286..11330		
Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o2.tc	Method	TBLASTX:Cress
Start	11097	End	11510
GI	none	Score	148
Exons	11097..11204, 11282..11326, 11384..11506, 11406..11510		
Seq. No.	41426	Seq. ID	OJ991225_71.0320.C8
Gene No.	85830	Strand	-
Start	19981	End	21345
Name	OJ991225_71.0320.C8.o2.np	Method	AAT/NAP
Start	19981	End	21345
GI	5777620	Score	92
Exons	19981..20136, 21310..21345		
GI Descrip.	(AJ245900) CAA30378.1 protein [Oryza sativa]		
Seq. No.	41427	Seq. ID	OJ991225_71.0320.C9
Gene No.	85831	Strand	+
Start	1354	End	1763
Name	OJ991225_71.0320.C9.o1.np	Method	AAT/NAP
Start	1354	End	1763
GI	6651395	Score	167
Exons	1354..1508, 1611..1763		
GI Descrip.	(AF179222) floral nectary-specific protein [Brassica rapa subsp. pekinensis]		
Seq. No.	41427	Seq. ID	OJ991225_71.0320.C9
Gene No.	85832	Strand	-
Start	1278	End	1763
Name	OJ991225_71.0320.C9.o1.gs	Method	GENSCAN
Start	1278	End	1661
GI	none	Score	.61
Exons	1278..1389, 1437..1661		
Seq. No.	41427	Seq. ID	OJ991225_71.0320.C9
Gene No.	85832	Strand	-
Start	1278	End	1763
Name	OJ991225_71.0320.C9.o1.ts	Method	TBLASTX:Soybean
Start	1354	End	1763
GI	none	Score	80
Exons	1354..1428, 1359..1424, 1530..1763, 1532..1651		
Seq. No.	41428	Seq. ID	OJ991225_71.0320.C10

Gene No.	85833	Strand	+
Start	93	End	786
Name	OJ991225_71.0320.C10.o1.gs	Method	GENSCAN
Start	93	End	786
GI	none	Score	.7
Exons	93..365, 451..786		

Seq. No.	41428	Seq. ID	OJ991225_71.0320.C10
Gene No.	85833	Strand	+
Start	93	End	786
Name	OJ991225_71.0320.C10.o1.np	Method	AAT/NAP
Start	93	End	786
GI	4006915	Score	383
Exons	93..365, 451..786		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41428	Seq. ID	OJ991225_71.0320.C10
Gene No.	85834	Strand	-
Start	3740	End	4575
Name	OJ991225_71.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	90	End	504
GI	none	Score	250
Exons	90..365, 92..364, 448..504		

Seq. No.	41428	Seq. ID	OJ991225_71.0320.C10
Gene No.	85834	Strand	-
Start	3740	End	4575
Name	OJ991225_71.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	3674	End	3814
GI	none	Score	144
Exons	3674..3805, 3683..3814, 3684..3806, 3751..3807		

Seq. No.	41428	Seq. ID	OJ991225_71.0320.C10
Gene No.	85834	Strand	-
Start	3740	End	4575
Name	OJ991225_71.0320.C10.o2.np	Method	AAT/NAP
Start	3683	End	4575
GI	7484899	Score	506
Exons	3683..4009, 4503..4575		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		

Seq. No.	41428	Seq. ID	OJ991225_71.0320.C10
Gene No.	85834	Strand	-
Start	3740	End	4575
Name	OJ991225_71.0320.C10.o2.gs	Method	GENSCAN
Start	3740	End	4009
GI	none	Score	.87
Exons	3740..4009		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85835	Strand	+
Start	11133	End	14146
Name	OJ991225_71.0320.C11.o4.np	Method	AAT/NAP
Start	11133	End	14082
GI	4680186	Score	179

Exons	11133..11168, 12519..12748, 13302..13364, 14051..14082		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85835	Strand	+
Start	11133	End	14146
Name	OJ991225_71.0320.C11.o4.gs	Method	GENSCAN
Start	11729	End	14146
GI	none	Score	.59
Exons	11729..11789, 11932..11962, 12196..12303, 12507..12708, 13609..13825, 14022..14146		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85836	Strand	+
Start	14672	End	16019
Name	OJ991225_71.0320.C11.o5.gs	Method	GENSCAN
Start	14672	End	15199
GI	none	Score	.88
Exons	14672..15199		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85836	Strand	+
Start	14672	End	16019
Name	OJ991225_71.0320.C11.o5.np	Method	AAT/NAP
Start	14706	End	16019
GI	7523494	Score	262
Exons	14706..14895, 14922..15138, 15445..15601, 15741..16019		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85837	Strand	-
Start	1	End	2096
Name	OJ991225_71.0320.C11.o1.np	Method	AAT/NAP
Start	1	End	2046
GI	7484899	Score	970
Exons	1..550, 596..842, 1364..1516, 1802..2046		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85837	Strand	-
Start	1	End	2096
Name	OJ991225_71.0320.C11.o1.gs	Method	GENSCAN
Start	35	End	2025
GI	none	Score	.9
Exons	35..842, 1364..1516, 1802..2025		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85837	Strand	-
Start	1	End	2096
Name	OJ991225_71.0320.C11.o1.gp	Method	AAT/GAP
Start	1802	End	2096
GI	uC-osrocyp013b01b1	Score	496
Exons	1802..2096		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o1.tm	Method	TBLASTX:Maize
Start	18	End	6607
GI	none	Score	199
Exons	18..242, 33..251, 35..253, 6384..6461, 6385..6606, 6386..6607		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o1.ts	Method	TBLASTX:Soybean
Start	32	End	6657
GI	none	Score	183
Exons	32..304, 33..299, 6245..6274, 6388..6657, 6389..6652		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o1.tc	Method	TBLASTX:Cress
Start	245	End	6915
GI	none	Score	129
Exons	245..319, 326..556, 327..554, 6622..6657, 6685..6915, 6731..6907		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o2.tm	Method	TBLASTX:Maize
Start	1414	End	10715
GI	none	Score	112
Exons	1414..1518, 1799..1909, 1801..1935, 10312..10416, 10524..10715, 10526..10654		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o1.tw	Method	TBLASTX:Wheat
Start	1799	End	10681
GI	none	Score	122
Exons	1799..1939, 1801..1935, 10331..10420, 10351..10389, 10390..10416, 10488..10667, 10526..10681, 10526..10654		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o2.gs	Method	GENSCAN
Start	4903	End	7173
GI	none	Score	.42
Exons	4903..5202, 5781..6092, 6176..6225, 6333..7173		

Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o3.tm	Method	TBLASTX:Maize
Start	5757	End	5897
GI	none	Score	107

Exons	5757..5888, 5758..5892, 5764..5892, 5766..5897		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o3.np	Method	AAT/NAP
Start	5766	End	10778
GI	7484899	Score	1514
Exons	5766..6092, 6176..6271, 6388..6909, 6955..7201, 10262..10414, 10527..10778		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o2.gp	Method	AAT/GAP
Start	8307	End	8398
GI	5867_1.R1084	Score	134
Exons	8307..8398		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	41429	Seq. ID	OJ991225_71.0320.C11
Gene No.	85838	Strand	-
Start	4903	End	10778
Name	OJ991225_71.0320.C11.o3.gs	Method	GENSCAN
Start	9158	End	10753
GI	none	Score	.96
Exons	9158..9170, 10262..10414, 10527..10753		
Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85839	Strand	+
Start	4159	End	4660
Name	OJ991225_71.0320.C14.o2.gs	Method	GENSCAN
Start	4159	End	4660
GI	none	Score	.65
Exons	4159..4388, 4468..4660		
Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85840	Strand	-
Start	1	End	1579
Name	OJ991225_71.0320.C14.o1.np	Method	AAT/NAP
Start	1	End	1579
GI	6721517	Score	1897
Exons	1..427, 476..1228, 1308..1462, 1516..1579		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		
Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85840	Strand	-
Start	1	End	1579

Name	OJ991225_71.0320.C14.o1.gs	Method	GENSCAN
Start	32	End	1576
GI	none	Score	.5
Exons	32..1576		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o8.tw	Method	TBLASTX:Wheat
Start	17	End	371
GI	none	Score	74
Exons	17..370, 53..187, 231..371		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o5.tm	Method	TBLASTX:Maize
Start	104	End	424
GI	none	Score	204
Exons	104..424		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o6.tm	Method	TBLASTX:Maize
Start	770	End	1066
GI	none	Score	110
Exons	770..1066, 879..1049		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o7.tw	Method	TBLASTX:Wheat
Start	947	End	1310
GI	none	Score	84
Exons	947..1306, 948..1181, 1206..1310		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o3.gs	Method	GENSCAN
Start	5436	End	7885
GI	none	Score	.48
Exons	5436..6226, 6493..7885		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o2.np	Method	AAT/NAP
Start	5439	End	7986
GI	4680179	Score	4094
Exons	5439..7986		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986

Name	OJ991225_71.0320.C14.o6.tw	Method	TBLASTX:Wheat
Start	5484	End	5817
GI	none	Score	72
Exons	5484..5816, 5680..5817		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o1.tm	Method	TBLASTX:Maize
Start	5676	End	6254
GI	none	Score	105
Exons	5676..5945, 5677..5937, 6006..6104, 6007..6102, 6036..6104, 6102..6251, 6109..6252, 6111..6254		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o2.tw	Method	TBLASTX:Wheat
Start	5817	End	6442
GI	none	Score	270
Exons	5817..6278, 5818..6252, 5820..6254, 6257..6442, 6291..6386, 6413..6439		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o4.tm	Method	TBLASTX:Maize
Start	6311	End	6603
GI	none	Score	161
Exons	6311..6601, 6315..6500, 6320..6532, 6412..6603		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o2.ts	Method	TBLASTX:Soybean
Start	6401	End	6661
GI	none	Score	54
Exons	6401..6469, 6401..6661, 6555..6656		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o3.tw	Method	TBLASTX:Wheat
Start	6449	End	6928
GI	none	Score	214
Exons	6449..6928, 6450..6833, 6482..6910		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o1.tw	Method	TBLASTX:Wheat
Start	6932	End	7441
GI	none	Score	303
Exons	6932..7441, 7023..7409		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-

Start	5436	End	7986
Name	OJ991225_71.0320.C14.o2.tm	Method	TBLASTX:Maize
Start	7016	End	7369
GI	none	Score	168
Exons	7016..7369, 7031..7327, 7101..7367		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o3.ts	Method	TBLASTX:Soybean
Start	7190	End	7432
GI	none	Score	197
Exons	7190..7432		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o3.tm	Method	TBLASTX:Maize
Start	7406	End	7906
GI	none	Score	157
Exons	7406..7741, 7727..7906		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o4.tw	Method	TBLASTX:Wheat
Start	7442	End	7744
GI	none	Score	189
Exons	7442..7744, 7443..7706		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o1.ts	Method	TBLASTX:Soybean
Start	7457	End	7852
GI	none	Score	116
Exons	7457..7816, 7467..7700, 7675..7812, 7820..7852, 7820..7852		

Seq. No.	41430	Seq. ID	OJ991225_71.0320.C14
Gene No.	85841	Strand	-
Start	5436	End	7986
Name	OJ991225_71.0320.C14.o5.tw	Method	TBLASTX:Wheat
Start	7745	End	7985
GI	none	Score	140
Exons	7745..7915, 7772..7888, 7791..7919, 7919..7984, 7923..7985		

Seq. No.	41431	Seq. ID	OJ991225_71.0320.C15
Gene No.	85842	Strand	+
Start	389	End	2480
Name	OJ991225_71.0320.C15.o1.gs	Method	GENSCAN
Start	389	End	2480
GI	none	Score	.8
Exons	389..423, 1625..1678, 1777..1928, 2374..2480		

Seq. No.	41431	Seq. ID	OJ991225_71.0320.C15
Gene No.	85842	Strand	+
Start	389	End	2480

Name	OJ991225_71.0320.C15.o1.np	Method	AAT/NAP
Start	1775	End	1980
GI	4680186	Score	244
Exons	1775..1980		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41431	Seq. ID	OJ991225_71.0320.C15
Gene No.	85843	Strand	+
Start	2704	End	3962
Name	OJ991225_71.0320.C15.o2.gs	Method	GENSCAN
Start	2704	End	3962
GI	none	Score	.45
Exons	2704..2746, 2906..3351, 3459..3962		

Seq. No.	41431	Seq. ID	OJ991225_71.0320.C15
Gene No.	85844	Strand	-
Start	1527	End	1908
Name	OJ991225_71.0320.C15.o1.gp	Method	AAT/GAP
Start	1527	End	1908
GI	uC-osflcyp033a04b1	Score	671
Exons	1527..1908		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41431	Seq. ID	OJ991225_71.0320.C15
Gene No.	85845	Strand	-
Start	2373	End	4279
Name	OJ991225_71.0320.C15.o2.np	Method	AAT/NAP
Start	2373	End	4279
GI	6907087	Score	905
Exons	2373..2474, 3013..3693, 3738..3798, 3971..4279		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41431	Seq. ID	OJ991225_71.0320.C15
Gene No.	85846	Strand	-
Start	5066	End	5242
Name	OJ991225_71.0320.C15.o3.gs	Method	GENSCAN
Start	5066	End	5242
GI	none	Score	.56
Exons	5066..5242		

Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85847	Strand	+
Start	297	End	661
Name	OJ991225_71.0320.C16.o1.gs	Method	GENSCAN
Start	297	End	661
GI	none	Score	.72
Exons	297..376, 502..661		

Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85848	Strand	+
Start	2070	End	3377
Name	OJ991225_71.0320.C16.o2.gs	Method	GENSCAN
Start	2070	End	3377
GI	none	Score	.48

Exons	2070..2156, 2863..2945, 3194..3377		
Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85849	Strand	+
Start	7730	End	12712
Name	OJ991225_71.0320.C16.o1.np	Method	AAT/NAP
Start	7718	End	12706
GI	7484899	Score	1461
Exons	7718..7956, 8067..8219, 11158..11394, 11443..11968, 12044..12139, 12380..12706		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		
Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85849	Strand	+
Start	7730	End	12712
Name	OJ991225_71.0320.C16.o3.gs	Method	GENSCAN
Start	7730	End	9934
GI	none	Score	.49
Exons	7730..7956, 8067..8219, 9859..9934		
Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85849	Strand	+
Start	7730	End	12712
Name	OJ991225_71.0320.C16.o4.gs	Method	GENSCAN
Start	11186	End	12712
GI	none	Score	.56
Exons	11186..12139, 12380..12712		
Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85849	Strand	+
Start	7730	End	12712
Name	OJ991225_71.0320.C16.o1.gp	Method	AAT/GAP
Start	11576	End	11955
GI	LIB3433-035-P1-K1-G11	Score	739
Exons	11576..11955		
GI Descrip.	'3075400 8.0e-20 (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana] >gi_3413720 (AC004747) putative thromboxin-A synthase [Arabidopsis thaliana]'		
Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85850	Strand	-
Start	14706	End	15304
Name	OJ991225_71.0320.C16.o1.tm	Method	TBLASTX:Maize
Start	7768	End	8169
GI	none	Score	211
Exons	7768..7956, 7769..7957, 7769..7957, 7815..7961, 8065..8169		
Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85850	Strand	-
Start	14706	End	15304
Name	OJ991225_71.0320.C16.o1.tw	Method	TBLASTX:Wheat
Start	7816	End	8130
GI	none	Score	194
Exons	7816..7956, 7817..7957, 8065..8091, 8076..8129, 8092..8130		

Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85850	Strand	-
Start	14706	End	15304
Name	OJ991225_71.0320.C16.o1.tc	Method	TBLASTX:Cress
Start	11447	End	11758
GI	none	Score	205
Exons	11447..11677, 11449..11655, 11510..11677, 11669..11758		

Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85850	Strand	-
Start	14706	End	15304
Name	OJ991225_71.0320.C16.o1.ts	Method	TBLASTX:Soybean
Start	11699	End	12070
GI	none	Score	253
Exons	11699..11968, 11704..11796, 11899..11955, 12041..12070		

Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85850	Strand	-
Start	14706	End	15304
Name	OJ991225_71.0320.C16.o2.tm	Method	TBLASTX:Maize
Start	11747	End	11992
GI	none	Score	227
Exons	11747..11797, 11750..11992, 11861..11977		

Seq. No.	41432	Seq. ID	OJ991225_71.0320.C16
Gene No.	85850	Strand	-
Start	14706	End	15304
Name	OJ991225_71.0320.C16.o5.gs	Method	GENSCAN
Start	14706	End	15304
GI	none	Score	.75
Exons	14706..15304		

Seq. No.	41433	Seq. ID	OJ991225_72.0322.C1
Gene No.	85851	Strand	-
Start	1	End	1026
Name	OJ991225_72.0322.C1.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	5042454	Score	803
Exons	1..401, 457..563, 887..1026		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41433	Seq. ID	OJ991225_72.0322.C1
Gene No.	85851	Strand	-
Start	1	End	1026
Name	OJ991225_72.0322.C1.o1.gs	Method	GENSCAN
Start	10	End	968
GI	none	Score	.59
Exons	10..401, 891..968		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85852	Strand	+
Start	955	End	1405
Name	OJ991225_72.0322.C2.o1.gp	Method	AAT/GAP
Start	955	End	1405
GI	uC-osf1M202043f12b1	Score	874
Exons	955..1405		
GI Descrip.	'169777 4.0e-33 (L10345) beta-amylase [Oryza sativa]'		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	4	End	2481
GI	none	Score	35
Exons	4..30, 6..32, 129..374, 131..373, 490..684, 495..686, 495..680, 872..1141, 876..1142, 878..1150, 1529..1702, 1536..1727, 1536..1703, 1823..2029, 1826..2236, 1827..2237, 2166..2237, 2379..2456, 2383..2481, 2385..2441		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o1.np	Method	AAT/NAP
Start	119	End	2432
GI	169777	Score	2167
Exons	119..370, 498..705, 878..1141, 1536..1700, 1838..2236, 2382..2432		
GI Descrip.	(L10345) beta-amylase [Oryza sativa]		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o1.gs	Method	GENSCAN
Start	131	End	2522
GI	none	Score	.47
Exons	131..370, 498..705, 984..1167, 1604..1700, 1838..2236, 2382..2522		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o1.tc	Method	TBLASTX:Cress
Start	134	End	2116
GI	none	Score	108
Exons	134..373, 201..371, 490..612, 495..674, 646..672, 872..1144, 876..1142, 887..1150, 1539..1703, 1540..1698, 1823..2029, 1826..2116, 1845..2093		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o1.ts	Method	TBLASTX:Soybean
Start	134	End	2237
GI	none	Score	180
Exons	134..373, 138..374, 486..680, 486..683, 487..684, 872..1144, 876..1142, 1539..1703, 1540..1701, 1826..2116, 1838..1966, 1842..2093, 2178..2237		

Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o2.tw	Method	TBLASTX:Wheat
Start	953	End	1614
GI	none	Score	260

Exons	953..1141, 954..1139, 957..1142, 988..1143, 1529..1609, 1536..1613, 1537..1614		
Seq. No.	41434	Seq. ID	OJ991225_72.0322.C2
Gene No.	85853	Strand	-
Start	119	End	2522
Name	OJ991225_72.0322.C2.o1.tw	Method	TBLASTX:Wheat
Start	1614	End	2176
GI	none	Score	107
Exons	1614..1727, 1614..1703, 1817..2116, 1823..2029, 1827..2105, 2078..2176		
Seq. No.	41435	Seq. ID	OJ991225_72.0322.C3
Gene No.	85854	Strand	-
Start	1	End	1668
Name	OJ991225_72.0322.C3.o1.np	Method	AAT/NAP
Start	1	End	1668
GI	6815062	Score	1111
Exons	1..38, 337..676, 754..853, 935..1668		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	41435	Seq. ID	OJ991225_72.0322.C3
Gene No.	85854	Strand	-
Start	1	End	1668
Name	OJ991225_72.0322.C3.o1.gs	Method	GENSCAN
Start	337	End	1603
GI	none	Score	.7
Exons	337..676, 754..853, 935..1037, 1243..1603		
Seq. No.	41435	Seq. ID	OJ991225_72.0322.C3
Gene No.	85855	Strand	-
Start	1587	End	1668
Name	OJ991225_72.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	1127	End	1528
GI	none	Score	96
Exons	1127..1414, 1127..1438, 1131..1436, 1466..1528		
Seq. No.	41435	Seq. ID	OJ991225_72.0322.C3
Gene No.	85855	Strand	-
Start	1587	End	1668
Name	OJ991225_72.0322.C3.o2.np	Method	AAT/NAP
Start	1587	End	1668
GI	7523512	Score	93
Exons	1587..1668		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85856	Strand	+
Start	1	End	5615
Name	OJ991225_72.0322.C4.o1.np	Method	AAT/NAP
Start	1	End	5612
GI	7228457	Score	8652
Exons	1..1823, 1887..2721, 2844..3995, 4062..5612		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza		

sativa]

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85856	Strand	+
Start	1	End	5615
Name	OJ991225_72.0322.C4.o1.gs	Method	GENSCAN
Start	59	End	1886
GI	none	Score	.52
Exons	59..258, 412..1886		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85856	Strand	+
Start	1	End	5615
Name	OJ991225_72.0322.C4.o2.gs	Method	GENSCAN
Start	1950	End	5615
GI	none	Score	.99
Exons	1950..5615		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85857	Strand	+
Start	11809	End	11887
Name	OJ991225_72.0322.C4.o1.gp	Method	AAT/GAP
Start	11809	End	11887
GI	58045_2.R1084	Score	114
Exons	11809..11887		
GI Descrip.	'2224899 3.0e-25 (U67133) DNA-binding protein PcMYB1 [Petroselinum crispum]'		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o6.tw	Method	TBLASTX:Wheat
Start	114	End	506
GI	none	Score	58
Exons	114..161, 168..266, 185..265, 233..472, 249..506		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o5.tm	Method	TBLASTX:Maize
Start	119	End	404
GI	none	Score	194
Exons	119..403, 156..404		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o3.tw	Method	TBLASTX:Wheat
Start	1244	End	1730
GI	none	Score	413
Exons	1244..1417, 1245..1730, 1439..1726		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o1.tw	Method	TBLASTX:Wheat
Start	1895	End	2357

GI	none	Score	588
Exons	1895..2356, 1896..2357		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o3.ts	Method	TBLASTX:Soybean
Start	1935	End	2300
GI	none	Score	117
Exons	1935..2159, 2166..2300		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	2025	End	2381
GI	none	Score	392
Exons	2025..2381, 2060..2371, 2076..2381		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o3.tm	Method	TBLASTX:Maize
Start	2408	End	2792
GI	none	Score	356
Exons	2408..2773, 2409..2792		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o2.tw	Method	TBLASTX:Wheat
Start	2465	End	2890
GI	none	Score	488
Exons	2465..2890, 2466..2885		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	2544	End	2915
GI	none	Score	273
Exons	2544..2915, 2561..2704		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o5.tw	Method	TBLASTX:Wheat
Start	3516	End	3974
GI	none	Score	234
Exons	3516..3764, 3540..3764, 3605..3778, 3825..3974, 3836..3973		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o2.ts	Method	TBLASTX:Soybean
Start	3663	End	4229
GI	5666795	Score	68

Exons	3663..3761, 3837..3974, 4029..4229		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o8.tw	Method	TBLASTX:Wheat
Start	3977	End	4289
GI	none	Score	192
Exons	3977..4153, 4029..4289		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o2.tm	Method	TBLASTX:Maize
Start	4482	End	4805
GI	none	Score	362
Exons	4482..4805, 4499..4792		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o4.tw	Method	TBLASTX:Wheat
Start	4619	End	5000
GI	none	Score	375
Exons	4619..4675, 4620..5000, 4721..4969		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o7.tw	Method	TBLASTX:Wheat
Start	5001	End	5603
GI	none	Score	265
Exons	5001..5285, 5006..5284, 5478..5603		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o2.np	Method	AAT/NAP
Start	6211	End	9438
GI	6907089	Score	4069
Exons	6211..8077, 8177..9438		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o3.gs	Method	GENSCAN
Start	6254	End	9438
GI	none	Score	.56
Exons	6254..6832, 6847..8077, 8177..9438		
Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o5.np	Method	AAT/NAP
Start	8327	End	15950

GI	6815062	Score	549
Exons	8327..8437, 11178..11477, 12640..12716, 15860..15950		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o4.gs	Method	GENSCAN
Start	10040	End	15759
GI	none	Score	.76
Exons	10040..10117, 10540..10671, 11039..11112, 11207..11477, 12640..12712, 12852..13752, 14287..14397, 14476..14644, 15706..15759		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o3.np	Method	AAT/NAP
Start	10101	End	10233
GI	7523512	Score	111
Exons	10101..10233		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o4.np	Method	AAT/NAP
Start	10281	End	11119
GI	5922623	Score	403
Exons	10281..10356, 10524..10671, 11039..11119		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41436	Seq. ID	OJ991225_72.0322.C4
Gene No.	85858	Strand	-
Start	6254	End	15950
Name	OJ991225_72.0322.C4.o4.tm	Method	TBLASTX:Maize
Start	11184	End	11369
GI	none	Score	145
Exons	11184..11369, 11191..11367		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85859	Strand	+
Start	229	End	352
Name	OJ991225_72.0322.C5.o1.gs	Method	GENSCAN
Start	229	End	352
GI	none	Score	.57
Exons	229..352		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85860	Strand	+
Start	3250	End	3864
Name	OJ991225_72.0322.C5.o2.gs	Method	GENSCAN
Start	3250	End	3864

GI	none	Score	.52
Exons	3250..3324, 3811..3864		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236
Name	OJ991225_72.0322.C5.o3.gs	Method	GENSCAN
Start	6566	End	11236
GI	none	Score	.7
Exons	6566..6623, 8855..9077, 9140..9890, 9998..10162, 10277..10678, 10764..10844, 10928..11236		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236
Name	OJ991225_72.0322.C5.o1.np	Method	AAT/NAP
Start	8874	End	11173
GI	4138596	Score	2140
Exons	8874..9077, 9159..9890, 9998..10162, 10277..10678, 10764..10850, 10928..11173		
GI Descrip.	(Y16242) beta-amylase [Triticum aestivum]		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236
Name	OJ991225_72.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	8910	End	10802
GI	none	Score	62
Exons	8910..9080, 9157..9246, 9159..9245, 9313..9495, 9315..9494, 9501..9767, 9505..9753, 9807..9893, 9853..9897, 9998..10162, 10002..10160, 10271..10594, 10281..10583, 10761..10802		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236
Name	OJ991225_72.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	8928	End	10805
GI	none	Score	74
Exons	8928..9080, 9108..9245, 9109..9240, 9315..9491, 9355..9486, 9495..9767, 9496..9666, 9706..9753, 9753..9806, 9807..9893, 9819..9893, 9998..10162, 9999..10166, 9999..10163, 10271..10594, 10284..10583, 10761..10805		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236
Name	OJ991225_72.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	9162	End	10597
GI	none	Score	59
Exons	9162..9245, 9166..9240, 9318..9494, 9352..9495, 9501..9767, 9502..9762, 9753..9812, 9754..9798, 9807..9890, 9850..9897, 10001..10162, 10002..10166, 10271..10591, 10281..10583, 10565..10597		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236

Name	OJ991225_72.0322.C5.o2.tw	Method	TBLASTX:Wheat
Start	9403	End	9839
GI	none	Score	36
Exons	9403..9447, 9462..9506, 9489..9632, 9520..9630, 9636..9767, 9681..9740, 9753..9839		

Seq. No.	41437	Seq. ID	OJ991225_72.0322.C5
Gene No.	85861	Strand	-
Start	6566	End	11236
Name	OJ991225_72.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	10076	End	10600
GI	none	Score	84
Exons	10076..10162, 10080..10160, 10271..10594, 10284..10583, 10562..10600		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85862	Strand	+
Start	1	End	2677
Name	OJ991225_72.0322.C6.o1.gp	Method	AAT/GAP
Start	1	End	2094
GI	28858_1.R1084	Score	722
Exons	1..216, 1705..1764, 1848..1925, 2021..2094		
GI Descrip.	'3747044 7.0e-10 (AF093537) blue copper protein [Zea mays]'		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85862	Strand	+
Start	1	End	2677
Name	OJ991225_72.0322.C6.o1.gs	Method	GENSCAN
Start	23	End	2677
GI	none	Score	.99
Exons	23..216, 2021..2183, 2402..2677		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85862	Strand	+
Start	1	End	2677
Name	OJ991225_72.0322.C6.o1.np	Method	AAT/NAP
Start	103	End	2674
GI	7485040	Score	280
Exons	103..181, 1877..1925, 2021..2183, 2402..2515, 2552..2674		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244797|emb|CAB10220.1| (Z97336) hypothetical protein [Arabidopsis thaliana] gi|7268146|emb|CAB78483.1| (AL161538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85863	Strand	+
Start	8526	End	9557
Name	OJ991225_72.0322.C6.o3.np	Method	AAT/NAP
Start	8526	End	9557
GI	7340884	Score	112
Exons	8526..8696, 9448..9557		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85864	Strand	-
Start	3651	End	4558

Name	OJ991225_72.0322.C6.o2.np	Method	AAT/NAP
Start	3411	End	4557
GI	2493318	Score	213
Exons	3411..3463, 3722..4078, 4389..4557		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85864	Strand	-
Start	3651	End	4558
Name	OJ991225_72.0322.C6.o2.gs	Method	GENSCAN
Start	3651	End	4557
GI	none	Score	.99
Exons	3651..4078, 4389..4557		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85864	Strand	-
Start	3651	End	4558
Name	OJ991225_72.0322.C6.o2.gp	Method	AAT/GAP
Start	3961	End	4558
GI	428593	Score	521
Exons	3961..4078, 4389..4558		
GI Descrip.	3747044 7.0e-10 (AF093537) blue copper protein [Zea mays]		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85865	Strand	-
Start	5715	End	8692
Name	OJ991225_72.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	2197
GI	none	Score	111
Exons	1..69, 2..127, 1703..1762, 1704..1790, 1834..1926, 1834..1929, 1847..1933, 1959..2186, 2009..2197, 2012..2185		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85865	Strand	-
Start	5715	End	8692
Name	OJ991225_72.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	20	End	2677
GI	none	Score	63
Exons	20..70, 2021..2182, 2022..2183, 2396..2530, 2473..2526, 2558..2650, 2573..2677, 2608..2673		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85865	Strand	-
Start	5715	End	8692
Name	OJ991225_72.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	1852	End	2644
GI	none	Score	83
Exons	1852..1926, 1876..1923, 2002..2178, 2004..2183, 2015..2182, 2396..2569, 2573..2644, 2573..2626		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85865	Strand	-
Start	5715	End	8692
Name	OJ991225_72.0322.C6.o2.tm	Method	TBLASTX:Maize
Start	2396	End	2677

GI	none	Score	156
Exons	2396..2545, 2491..2676, 2546..2677, 2546..2677		

Seq. No.	41438	Seq. ID	OJ991225_72.0322.C6
Gene No.	85865	Strand	-
Start	5715	End	8692
Name	OJ991225_72.0322.C6.o3.gs	Method	GENSCAN
Start	5715	End	8692
GI	none	Score	.5
Exons	5715..5773, 6071..6262, 6870..6950, 7041..7246, 7265..7357, 8637..8692		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o1.np	Method	AAT/NAP
Start	1	End	2126
GI	4680203	Score	1230
Exons	1..36, 552..2126		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o1.gs	Method	GENSCAN
Start	345	End	2126
GI	none	Score	.62
Exons	345..2126		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o2.ts	Method	TBLASTX:Soybean
Start	639	End	873
GI	none	Score	98
Exons	639..872, 718..873		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	708	End	1151
GI	none	Score	78
Exons	708..902, 906..1151, 910..1101		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o1.tw	Method	TBLASTX:Wheat
Start	742	End	1208
GI	none	Score	102
Exons	742..930, 747..902, 871..1041, 933..1049, 947..1045, 948..1058, 1050..1154, 1057..1143, 1155..1208, 1165..1200		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126

Name	OJ991225_72.0322.C7.o1.tc	Method	TBLASTX:Cress
Start	996	End	1343
GI	none	Score	59
Exons	996..1343, 997..1071, 1038..1142, 1093..1152, 1189..1326		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o1.ts	Method	TBLASTX:Soybean
Start	1074	End	1493
GI	none	Score	105
Exons	1074..1340, 1078..1323, 1371..1493, 1372..1491		

Seq. No.	41439	Seq. ID	OJ991225_72.0322.C7
Gene No.	85866	Strand	-
Start	1	End	2126
Name	OJ991225_72.0322.C7.o2.tw	Method	TBLASTX:Wheat
Start	1221	End	1772
GI	none	Score	64
Exons	1221..1349, 1231..1326, 1371..1772, 1372..1533		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85867	Strand	+
Start	4588	End	8757
Name	OJ991225_72.0322.C8.o1.np	Method	AAT/NAP
Start	4588	End	8757
GI	7489738	Score	4421
Exons	4588..4764, 4798..8757		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85868	Strand	-
Start	31	End	162
Name	OJ991225_72.0322.C8.o1.gs	Method	GENSCAN
Start	31	End	162
GI	none	Score	.79
Exons	31..162		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85869	Strand	
Start	4680	End	5691
Name	OJ991225_72.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	4680	End	5691
GI	none	Score	582
Exons	4680..5258, 4681..5289, 5299..5430, 5370..5411, 5535..5585, 5626..5691		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85870	Strand	
Start	5611	End	6732
Name	OJ991225_72.0322.C8.o4.tw	Method	TBLASTX:Wheat
Start	5611	End	6048
GI	none	Score	115
Exons	5611..5808, 5878..6048		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85870	Strand	
Start	5611	End	6732
Name	OJ991225_72.0322.C8.o2.ts	Method	TBLASTX:Soybean
Start	5905	End	6291
GI	none	Score	344
Exons	5905..6291, 5916..6122		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85870	Strand	
Start	5611	End	6732
Name	OJ991225_72.0322.C8.o2.tw	Method	TBLASTX:Wheat
Start	6067	End	6729
GI	none	Score	252
Exons	6067..6306, 6081..6305, 6346..6651, 6369..6629, 6630..6704, 6631..6729		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85870	Strand	
Start	5611	End	6732
Name	OJ991225_72.0322.C8.o4.tm	Method	TBLASTX:Maize
Start	6082	End	6540
GI	none	Score	128
Exons	6082..6306, 6355..6540, 6357..6518		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85870	Strand	
Start	5611	End	6732
Name	OJ991225_72.0322.C8.o2.tc	Method	TBLASTX:Cress
Start	6346	End	6726
GI	none	Score	123
Exons	6346..6546, 6559..6726		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85870	Strand	
Start	5611	End	6732
Name	OJ991225_72.0322.C8.o3.ts	Method	TBLASTX:Soybean
Start	6346	End	6732
GI	none	Score	186
Exons	6346..6555, 6348..6527, 6559..6732		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o1.ts	Method	TBLASTX:Soybean
Start	7243	End	7680
GI	5509260	Score	359
Exons	7243..7680, 7332..7604, 7647..7679		
GI Descrip.	-		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o1.tc	Method	TBLASTX:Cress
Start	7330	End	7590
GI	none	Score	249
Exons	7330..7590, 7332..7568		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o1.tw	Method	TBLASTX:Wheat
Start	7371	End	8151
GI	none	Score	358
Exons	7371..7718, 7372..7716, 7372..7725, 7701..8147, 7702..8151		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o3.tm	Method	TBLASTX:Maize
Start	7372	End	7815
GI	none	Score	269
Exons	7372..7680, 7389..7679, 7714..7815		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o2.tm	Method	TBLASTX:Maize
Start	7816	End	8247
GI	none	Score	81
Exons	7816..7977, 7951..8247, 8091..8246		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o4.ts	Method	TBLASTX:Soybean
Start	8137	End	8703
GI	none	Score	131
Exons	8137..8319, 8328..8429, 8332..8523, 8512..8703		

Seq. No.	41440	Seq. ID	OJ991225_72.0322.C8
Gene No.	85871	Strand	
Start	7243	End	8706
Name	OJ991225_72.0322.C8.o3.tw	Method	TBLASTX:Wheat
Start	8307	End	8706
GI	none	Score	261
Exons	8307..8540, 8311..8706		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85872	Strand	+
Start	1	End	1492
Name	OJ991225_72.0322.C9.o1.np	Method	AAT/NAP
Start	1	End	1492
GI	6911873	Score	183
Exons	1..234, 1473..1492		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85872	Strand	+
Start	1	End	1492
Name	OJ991225_72.0322.C9.o1.gs	Method	GENSCAN
Start	22	End	417
GI	none	Score	.98
Exons	22..417		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85873	Strand	+
Start	2651	End	2735
Name	OJ991225_72.0322.C9.o2.np	Method	AAT/NAP
Start	2651	End	2735
GI	6721547	Score	82
Exons	2651..2735		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85874	Strand	+
Start	9564	End	10463
Name	OJ991225_72.0322.C9.o1.gp	Method	AAT/GAP
Start	9564	End	10463
GI	6547_1.R1084	Score	1316
Exons	9564..9632, 9731..10463		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85875	Strand	+
Start	10377	End	14436
Name	OJ991225_72.0322.C9.o4.np	Method	AAT/NAP
Start	10377	End	14436
GI	6911873	Score	548
Exons	10377..10527, 11993..12709, 13410..13540, 14308..14436		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85875	Strand	+
Start	10377	End	14436
Name	OJ991225_72.0322.C9.o3.gs	Method	GENSCAN
Start	11840	End	12892
GI	none	Score	1
Exons	11840..12892		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85876	Strand	-
Start	9945	End	11045
Name	OJ991225_72.0322.C9.o3.np	Method	AAT/NAP
Start	9945	End	11045
GI	6907106	Score	418
Exons	9945..10115, 10188..10768, 10937..11045		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85877	Strand	-
Start	13314	End	18734
Name	OJ991225_72.0322.C9.o4.gs	Method	GENSCAN
Start	13314	End	18734
GI	none	Score	.83
Exons	13314..13633, 15047..15221, 15429..16373, 16378..17686, 18439..18734		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9

Gene No.	85878	Strand	-
Start	19608	End	21846
Name	OJ991225_72.0322.C9.o1.tc	Method	TBLASTX:Cress
Start	7	End	12679
GI	none	Score	121
Exons	7..198, 12005..12082, 12185..12679, 12190..12537, 12584..12655		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85878	Strand	-
Start	19608	End	21846
Name	OJ991225_72.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	7	End	12700
GI	none	Score	178
Exons	7..216, 31..219, 12005..12037, 12037..12090, 12041..12088, 12175..12348, 12176..12355, 12365..12697, 12437..12700		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85878	Strand	-
Start	19608	End	21846
Name	OJ991225_72.0322.C9.o2.ts	Method	TBLASTX:Soybean
Start	7	End	12709
GI	none	Score	202
Exons	7..228, 30..149, 12488..12709		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85878	Strand	-
Start	19608	End	21846
Name	OJ991225_72.0322.C9.o2.tm	Method	TBLASTX:Maize
Start	10042	End	10389
GI	none	Score	53
Exons	10042..10086, 10043..10084, 10044..10097, 10143..10178, 10179..10388, 10184..10387, 10199..10225, 10291..10389		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85878	Strand	-
Start	19608	End	21846
Name	OJ991225_72.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	12005	End	12475
GI	none	Score	142
Exons	12005..12115, 12025..12105, 12166..12273, 12179..12475, 12322..12462		

Seq. No.	41441	Seq. ID	OJ991225_72.0322.C9
Gene No.	85878	Strand	-
Start	19608	End	21846
Name	OJ991225_72.0322.C9.o5.gs	Method	GENSCAN
Start	19608	End	21846
GI	none	Score	.62
Exons	19608..19622, 19970..20131, 20264..20400, 20926..20943, 21067..21111, 21373..21517, 21697..21846		

Seq. No.	41442	Seq. ID	OJ991225_72.0322.C10
Gene No.	85879	Strand	+
Start	45	End	1023
Name	OJ991225_72.0322.C10.o1.gs	Method	GENSCAN
Start	45	End	1023
GI	none	Score	.65

Exons	45..175, 211..404, 1012..1023		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o1.np	Method	AAT/NAP
Start	1	End	1226
GI	6742729	Score	769
Exons	1..40, 170..1226		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o1.gs	Method	GENSCAN
Start	54	End	1187
GI	none	Score	.61
Exons	54..1187		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o2.tw	Method	TBLASTX:Wheat
Start	141	End	491
GI	none	Score	183
Exons	141..371, 170..370, 407..490, 408..491		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o2.tm	Method	TBLASTX:Maize
Start	147	End	362
GI	none	Score	166
Exons	147..293, 176..283, 300..362		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	399	End	884
GI	none	Score	299
Exons	399..884, 416..592, 728..877		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o1.gp	Method	AAT/GAP
Start	480	End	1091
GI	5002953	Score	611
Exons	480..611, 870..1091		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o1.tw	Method	TBLASTX:Wheat

Start	495	End	1037
GI	none	Score	491
Exons	495..1037, 539..985		

Seq. No.	41443	Seq. ID	OJ991225_72.0322.C13
Gene No.	85880	Strand	+
Start	1	End	1226
Name	OJ991225_72.0322.C13.o1.tc	Method	TBLASTX:Cress
Start	782	End	1097
GI	none	Score	209
Exons	782..985, 786..1037, 1056..1097		

Seq. No.	41444	Seq. ID	OJ991225_72.0322.C14
Gene No.	85881	Strand	+
Start	1	End	2569
Name	OJ991225_72.0322.C14.o1.np	Method	AAT/NAP
Start	1	End	2569
GI	5042454	Score	3151
Exons	1..1746, 2379..2569		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41444	Seq. ID	OJ991225_72.0322.C14
Gene No.	85882	Strand	-
Start	2353	End	2499
Name	OJ991225_72.0322.C14.o1.tw	Method	TBLASTX:Wheat
Start	709	End	1101
GI	none	Score	58
Exons	709..756, 763..861, 780..860, 828..989, 844..1101		

Seq. No.	41444	Seq. ID	OJ991225_72.0322.C14
Gene No.	85882	Strand	-
Start	2353	End	2499
Name	OJ991225_72.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	714	End	999
GI	none	Score	193
Exons	714..998, 751..999		

Seq. No.	41444	Seq. ID	OJ991225_72.0322.C14
Gene No.	85882	Strand	-
Start	2353	End	2499
Name	OJ991225_72.0322.C14.o2.tm	Method	TBLASTX:Maize
Start	1604	End	1747
GI	none	Score	180
Exons	1604..1747, 1609..1743		

Seq. No.	41444	Seq. ID	OJ991225_72.0322.C14
Gene No.	85882	Strand	-
Start	2353	End	2499
Name	OJ991225_72.0322.C14.o2.gs	Method	GENSCAN
Start	2353	End	2499
GI	none	Score	.84
Exons	2353..2499		

Seq. No.	41445	Seq. ID	OJ991225_72.0322.C15
Gene No.	85883	Strand	+
Start	270	End	2631
Name	OJ991225_72.0322.C15.o2.np	Method	AAT/NAP

Start	270	End	2631
GI	5042454	Score	378
Exons	270..416, 759..856, 2118..2631		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41445	Seq. ID	OJ991225_72.0322.C15
Gene No.	85883	Strand	+
Start	270	End	2631
Name	OJ991225_72.0322.C15.o1.gp	Method	AAT/GAP
Start	849	End	1715
GI	5002953	Score	640
Exons	849..1054, 1534..1715		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41445	Seq. ID	OJ991225_72.0322.C15
Gene No.	85884	Strand	-
Start	1	End	866
Name	OJ991225_72.0322.C15.o1.np	Method	AAT/NAP
Start	1	End	866
GI	5922623	Score	309
Exons	1..73, 241..360, 759..866		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41445	Seq. ID	OJ991225_72.0322.C15
Gene No.	85885	Strand	
Start	837	End	1490
Name	OJ991225_72.0322.C15.o1.tw	Method	TBLASTX:Wheat
Start	837	End	1490
GI	none	Score	110
Exons	837..992, 857..988, 996..1187, 1031..1171, 1176..1223, 1227..1268, 1230..1268, 1298..1369, 1299..1397, 1398..1490		

Seq. No.	41446	Seq. ID	OJ991225_72.0322.C16
Gene No.	85886	Strand	+
Start	2203	End	3356
Name	OJ991225_72.0322.C16.o1.gs	Method	GENSCAN
Start	2203	End	3356
GI	none	Score	.96
Exons	2203..2332, 2421..3154, 3233..3356		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o1.gs	Method	GENSCAN
Start	8	End	3654
GI	none	Score	.49
Exons	8..1122, 1205..1375, 1542..1713, 2153..2217, 2456..2528, 2734..2772, 2851..3654		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o1.gp	Method	AAT/GAP
Start	1531	End	2051

GI	LIB3431-001-P1-N1-B5	Score	762
Exons	1531..1713, 1819..2051		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o1.np	Method	AAT/NAP
Start	1617	End	4735
GI	6911873	Score	427
Exons	1617..1655, 2929..3468, 4701..4735		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o1.ts	Method	TBLASTX:Soybean
Start	2928	End	3237
GI	none	Score	267
Exons	2928..3035, 2941..3237, 3084..3224		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o1.tm	Method	TBLASTX:Maize
Start	2937	End	3462
GI	none	Score	179
Exons	2937..3110, 2938..3117, 3019..3120, 3127..3459, 3199..3462		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o1.tc	Method	TBLASTX:Cress
Start	2947	End	3441
GI	none	Score	355
Exons	2947..3441, 2952..3299, 3193..3258, 3346..3417		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o2.np	Method	AAT/NAP
Start	3199	End	8120
GI	539029	Score	44
Exons	3199..3238, 5597..5731, 6650..6774, 8078..8120		
GI Descrip.	cysteine-rich extensin-like protein 1 precursor - common tobacco gi|310923 (L13439) cysteine-rich extensin-like protein-1 [Nicotiana tabacum]		

Seq. No.	41447	Seq. ID	OJ991225_72.0322.C17
Gene No.	85887	Strand	+
Start	8	End	8120
Name	OJ991225_72.0322.C17.o2.ts	Method	TBLASTX:Soybean
Start	3250	End	3471
GI	none	Score	202
Exons	3250..3471, 3273..3392		

Seq. No.	41448	Seq. ID	OJ991225_72.0322.C19
Gene No.	85888	Strand	+
Start	316	End	4539
Name	OJ991225_72.0322.C19.o1.gs	Method	GENSCAN
Start	316	End	4539
GI	none	Score	.63
Exons	316..458, 1384..1412, 2289..2472, 4038..4349, 4423..4539		

Seq. No.	41448	Seq. ID	OJ991225_72.0322.C19
Gene No.	85889	Strand	+
Start	5086	End	5519
Name	OJ991225_72.0322.C19.o1.gp	Method	AAT/GAP
Start	5086	End	5519
GI	2428185	Score	741
Exons	5086..5519		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	41448	Seq. ID	OJ991225_72.0322.C19
Gene No.	85890	Strand	-
Start	2609	End	5431
Name	OJ991225_72.0322.C19.o1.np	Method	AAT/NAP
Start	2609	End	5431
GI	5852179	Score	256
Exons	2609..2707, 4095..4294, 4369..4583, 5411..5431		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	41448	Seq. ID	OJ991225_72.0322.C19
Gene No.	85891	Strand	-
Start	8632	End	8934
Name	OJ991225_72.0322.C19.o3.gs	Method	GENSCAN
Start	8632	End	8934
GI	none	Score	.79
Exons	8632..8934		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85892	Strand	+
Start	2608	End	2715
Name	OJ991225_72.0322.C20.o1.gs	Method	GENSCAN
Start	2608	End	2715
GI	none	Score	.42
Exons	2608..2715		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o1.np	Method	AAT/NAP
Start	2799	End	14592
GI	7488193	Score	910
Exons	2799..2898, 3352..3803, 3861..4011, 10624..10724, 11448..11580, 11701..11822, 12105..12311, 12412..12649, 12739..12889, 13011..13162, 14509..14592		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.30 - Arabidopsis thaliana gi|3021266|emb|CAA18461.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|3292840|emb|CAA19830.1| (AL031018) serine/threonine kinase-like protein [Arabidopsis thaliana]		

gi|7269161|emb|CAB79269.1| (AL161558) serine/threonine kinase-like protein [Arabidops

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o2.gs	Method	GENSCAN
Start	3261	End	4820
GI	none	Score	1
Exons	3261..4058, 4271..4426, 4797..4820		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o1.tc	Method	TBLASTX:Cress
Start	3348	End	13175
GI	none	Score	96
Exons	3348..3545, 3828..3902, 4301..4426, 4363..4425, 5752..5949, 5754..5948, 6004..6267, 6019..6252, 6032..6268, 6354..6446, 6355..6459, 6600..6770, 6644..6772, 10556..10807, 11048..11110, 11673..11822, 12116..12310, 12116..12310, 12410..12586, 12410..12646, 12411..12647, 12743..12919, 12745..12906, 13017..13175, 13043..13150		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o2.ts	Method	TBLASTX:Soybean
Start	3354	End	11209
GI	none	Score	140
Exons	3354..3641, 3702..3812, 3822..3899, 3948..4037, 10562..10846, 10910..11020, 11051..11107, 11162..11209		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o1.gp	Method	AAT/GAP
Start	4017	End	5883
GI	60388_1.R1084	Score	630
Exons	4017..4058, 4166..4199, 4299..4426, 5743..5883		
GI Descrip.	'3021270/emb|CAA18465.1| 1.0e-23 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o1.ts	Method	TBLASTX:Soybean
Start	4297	End	13187
GI	none	Score	106
Exons	4297..4425, 4310..4426, 5752..5958, 5754..5945, 6007..6267, 6032..6268, 6351..6446, 6352..6453, 6600..6764, 11706..11822, 12115..12297, 12116..12310, 12116..12304, 12407..12646, 12411..12647, 12551..12649, 12739..12831, 12739..12846, 12740..12886, 13005..13154, 13014..13187		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+

Start	2799	End	14592
Name	OJ991225_72.0322.C20.o1.tm	Method	TBLASTX:Maize
Start	4319	End	13175
GI	none	Score	90
Exons	4319..4426, 5754..5945, 5755..5949, 5770..5949, 6052..6267, 6053..6268, 6351..6452, 6352..6453, 6606..6785, 6659..6736, 11697..11822, 12116..12310, 12128..12298, 12431..12646, 12432..12647, 12679..12849, 12740..12922, 13014..13175, 13082..13153		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o2.tw	Method	TBLASTX:Wheat
Start	5752	End	12473
GI	none	Score	224
Exons	5752..5976, 5754..5987, 5755..5976, 6020..6094, 12116..12310, 12214..12324, 12432..12473		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o1.tw	Method	TBLASTX:Wheat
Start	6094	End	12883
GI	none	Score	216
Exons	6094..6270, 6095..6271, 6351..6458, 6351..6461, 6352..6462, 12473..12649, 12474..12650, 12739..12846, 12740..12883		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o2.gp	Method	AAT/GAP
Start	6474	End	7006
GI	70367_1.R1084	Score	845
Exons	6474..6507, 6594..7006		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41449	Seq. ID	OJ991225_72.0322.C20
Gene No.	85893	Strand	+
Start	2799	End	14592
Name	OJ991225_72.0322.C20.o5.gs	Method	GENSCAN
Start	10460	End	12653
GI	none	Score	.85
Exons	10460..11312, 11443..11580, 11695..11822, 12104..12311, 12412..12653		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85894	Strand	+
Start	1994	End	9092
Name	OJ991225_72.0322.C21.o1.np	Method	AAT/NAP
Start	1994	End	7148
GI	7488195	Score	870
Exons	1994..2852, 3858..3915, 4427..4547, 5916..6123, 6218..6455, 6541..6697, 6837..7148		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1|		

(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85894	Strand	+
Start	1994	End	9092
Name	OJ991225_72.0322.C21.o3.gs	Method	GENSCAN
Start	3651	End	9092
GI	none	Score	.6
Exons	3651..3699, 4196..4327, 4420..4547, 5916..6123, 6188..6455, 6541..6697, 6837..7083, 8605..9092		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85894	Strand	+
Start	1994	End	9092
Name	OJ991225_72.0322.C21.o1.gp	Method	AAT/GAP
Start	4746	End	4804
GI	2312838	Score	77
Exons	4746..4804		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85895	Strand	+
Start	14213	End	17980
Name	OJ991225_72.0322.C21.o2.np	Method	AAT/NAP
Start	13213	End	17980
GI	7488195	Score	396
Exons	13213..13307, 14302..15071, 15826..15983, 17673..17980		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85895	Strand	+
Start	14213	End	17980
Name	OJ991225_72.0322.C21.o5.gs	Method	GENSCAN
Start	14213	End	17425
GI	none	Score	.95
Exons	14213..15047, 15622..15759, 15856..15983, 17405..17425		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85896	Strand	-
Start	1949	End	2844
Name	OJ991225_72.0322.C21.o2.gs	Method	GENSCAN
Start	1949	End	2844
GI	none	Score	.4
Exons	1949..2766, 2781..2844		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o2.tm	Method	TBLASTX:Maize
Start	2075	End	14506

GI	none	Score	114
Exons	2075..2191, 2174..2296, 2194..2295, 14288..14506, 14293..14391, 14458..14505		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o1.tc	Method	TBLASTX:Cress
Start	2591	End	17871
GI	none	Score	83
Exons	2591..2653, 4395..4547, 4484..4552, 5925..6122, 5927..6121, 5937..6122, 6217..6453, 6235..6447, 6237..6452, 6544..6636, 6545..6649, 6843..7010, 6869..7015, 14315..14425, 14444..14500, 14444..14584, 15858..15983, 15920..15982, 17688..17810, 17785..17871		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o1.ts	Method	TBLASTX:Soybean
Start	4431	End	17881
GI	none	Score	91
Exons	4431..4547, 5925..6131, 5927..6109, 5931..6110, 6217..6453, 6235..6429, 6237..6452, 6541..6636, 6542..6643, 6840..7007, 15867..15983, 17688..17834, 17785..17871, 17810..17881		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o1.tm	Method	TBLASTX:Maize
Start	4440	End	17872
GI	none	Score	82
Exons	4440..4547, 5927..6106, 5928..6146, 5943..6146, 6237..6452, 6238..6453, 6541..6642, 6542..6643, 6629..6658, 6840..7034, 6902..7033, 15858..15983, 17688..17807, 17828..17872		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o2.tw	Method	TBLASTX:Wheat
Start	5927	End	17879
GI	none	Score	202
Exons	5927..6163, 5928..6140, 6238..6279, 17678..17821, 17688..17807, 17785..17871, 17805..17879		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o1.tw	Method	TBLASTX:Wheat
Start	6279	End	6652
GI	none	Score	205
Exons	6279..6455, 6280..6456, 6541..6651, 6542..6652		

Seq. No.	41450	Seq. ID	OJ991225_72.0322.C21
Gene No.	85897	Strand	-
Start	10138	End	17881
Name	OJ991225_72.0322.C21.o4.gs	Method	GENSCAN

Start	10138	End	11938
GI	none	Score	.51
Exons	10138..10415, 10628..10812, 11352..11938		

Seq. No.	41451	Seq. ID	OJ991225_72.0322.C22
Gene No.	85898	Strand	+
Start	1	End	541
Name	OJ991225_72.0322.C22.o1.np	Method	AAT/NAP
Start	1	End	541
GI	4127461	Score	191
Exons	1..130, 260..541		
GI Descrip.	(AJ011674) receptor-like protein kinase, RLK3 [Arabidopsis thaliana]		

Seq. No.	41451	Seq. ID	OJ991225_72.0322.C22
Gene No.	85898	Strand	+
Start	1	End	541
Name	OJ991225_72.0322.C22.o1.gs	Method	GENSCAN
Start	296	End	535
GI	none	Score	.41
Exons	296..535		

Seq. No.	41451	Seq. ID	OJ991225_72.0322.C22
Gene No.	85899	Strand	+
Start	1723	End	5388
Name	OJ991225_72.0322.C22.o1.tm	Method	TBLASTX:Maize
Start	4	End	442
GI	none	Score	129
Exons	4..120, 5..109, 88..123, 89..124, 243..434, 259..441, 260..442		

Seq. No.	41451	Seq. ID	OJ991225_72.0322.C22
Gene No.	85899	Strand	+
Start	1723	End	5388
Name	OJ991225_72.0322.C22.o2.gs	Method	GENSCAN
Start	1723	End	5387
GI	none	Score	.58
Exons	1723..1778, 3044..3129, 3297..3340, 3437..4301, 5014..5151, 5233..5387		

Seq. No.	41451	Seq. ID	OJ991225_72.0322.C22
Gene No.	85899	Strand	+
Start	1723	End	5388
Name	OJ991225_72.0322.C22.o2.np	Method	AAT/NAP
Start	2781	End	5388
GI	7488195	Score	275
Exons	2781..2888, 3556..4301, 5211..5388		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	41452	Seq. ID	OJ991225_69.0310.C1
Gene No.	85900	Strand	+
Start	493	End	1136
Name	OJ991225_69.0310.C1.o1.np	Method	AAT/NAP
Start	493	End	1136

GI	2498930	Score	741
Exons	493..552, 720..1136		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	41453	Seq. ID	OJ991225_69.0310.C2
Gene No.	85901	Strand	-
Start	1772	End	2032
Name	OJ991225_69.0310.C2.o1.gs	Method	GENSCAN
Start	1772	End	2032
GI	none	Score	.71
Exons	1772..2032		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85902	Strand	+
Start	756	End	3669
Name	OJ991225_69.0310.C3.o1.np	Method	AAT/NAP
Start	756	End	3666
GI	7485597	Score	1201
Exons	756..885, 1012..1196, 1278..1478, 1925..2086, 3340..3666		
GI Descrip.	hypothetical protein F17A8.160 - Arabidopsis thaliana gi|4538911|emb|CAB39648.1| (AL049482) hypothetical protein [Arabidopsis thaliana] gi|7267676|emb|CAB78104.1| (AL161515) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85902	Strand	+
Start	756	End	3669
Name	OJ991225_69.0310.C3.o1.gs	Method	GENSCAN
Start	756	End	3669
GI	none	Score	.7
Exons	756..885, 1012..1196, 1278..1478, 1925..2086, 3340..3669		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85903	Strand	+
Start	3666	End	4010
Name	OJ991225_69.0310.C3.o1.gp	Method	AAT/GAP
Start	3666	End	4010
GI	none	Score	690
Exons	3666..4010		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85904	Strand	+
Start	7004	End	7570
Name	OJ991225_69.0310.C3.o2.gp	Method	AAT/GAP
Start	7004	End	7570
GI	none	Score	1102
Exons	7004..7570		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85905	Strand	+
Start	20077	End	22170
Name	OJ991225_69.0310.C3.o3.np	Method	AAT/NAP
Start	20077	End	22170
GI	6063557	Score	319
Exons	20077..20245, 20470..20654, 22039..22170		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85906	Strand	-
Start	1	End	13526
Name	OJ991225_69.0310.C3.o2.np	Method	AAT/NAP
Start	1	End	13235
GI	3702327	Score	392
Exons	1..33, 7618..7885, 13108..13235		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85906	Strand	-
Start	1	End	13526
Name	OJ991225_69.0310.C3.o2.gs	Method	GENSCAN
Start	4435	End	13526
GI	none	Score	.42
Exons	4435..4623, 4932..5090, 5866..6114, 7579..7865, 8656..8803, 9490..9524, 10243..10302, 13097..13526		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85906	Strand	-
Start	1	End	13526
Name	OJ991225_69.0310.C3.o3.gp	Method	AAT/GAP
Start	7647	End	13323
GI	LIB3432-028-P1-K1-G8	Score	862
Exons	7647..7885, 13108..13323		
GI Descrip.	'3702327 4.0e-39 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85907	Strand	-
Start	15543	End	18004
Name	OJ991225_69.0310.C3.o3.gs	Method	GENSCAN
Start	15543	End	18004
GI	none	Score	.4
Exons	15543..15692, 17420..17490, 17555..17656, 17947..18004		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o4.tc	Method	TBLASTX:Cress
Start	704	End	1165
GI	none	Score	163
Exons	704..892, 759..890, 1010..1165, 1053..1163		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	715	End	3627
GI	none	Score	158
Exons	715..882, 722..892, 724..987, 729..890, 1007..1192, 1010..1192, 1032..1196, 1053..1208, 1272..1478, 1274..1477, 1275..1478, 1900..2022, 1922..2086, 1925..2086, 3339..3623, 3339..3626, 3340..3627, 3340..3627		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3

Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	749	End	3683
GI	none	Score	174
Exons	749..892, 753..890, 808..891, 1007..1192, 1010..1192, 1032..1199, 1053..1211, 1272..1478, 1274..1474, 1275..1478, 1276..1479, 1922..2059, 1925..2071, 1938..2063, 3305..3493, 3328..3585, 3333..3608, 3339..3608, 3343..3651, 3604..3675, 3615..3683		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o3.tc	Method	TBLASTX:Cress
Start	3384	End	3669
GI	none	Score	281
Exons	3384..3623, 3385..3669		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	7399	End	7696
GI	none	Score	55
Exons	7399..7506, 7400..7498, 7492..7689, 7502..7693, 7502..7696, 7512..7694		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o2.tc	Method	TBLASTX:Cress
Start	7510	End	13196
GI	none	Score	192
Exons	7510..7584, 7522..7773, 7523..7777, 7619..7792, 7777..7821, 7780..7887, 7781..7822, 7786..7884, 7811..7888, 13146..13196		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o3.ts	Method	TBLASTX:Soybean
Start	7514	End	7752
GI	none	Score	42
Exons	7514..7573, 7528..7752, 7562..7750		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o4.np	Method	AAT/NAP
Start	21326	End	22170
GI	7433902	Score	552
Exons	21326..22170		
GI Descrip.	UTP-glucose glucosyltransferase homolog A_IG002N01.15 - Arabidopsis thaliana gi|2191136|gb|AAB61023.1| (AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o5.gs	Method	GENSCAN
Start	21351	End	22163
GI	none	Score	1
Exons	21351..22163		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	21477	End	22166
GI	none	Score	143
Exons	21477..21812, 21610..21768, 21825..22010, 22038..22079, 22101..22166		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	21507	End	22142
GI	none	Score	140
Exons	21507..21812, 21610..21768, 21822..22010, 21846..22010, 21848..22024, 22009..22068, 22026..22067, 22101..22142		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	21543	End	22133
GI	none	Score	158
Exons	21543..21812, 21610..21762, 21612..21773, 21843..22001, 21843..22001, 21866..22003, 22036..22068, 22038..22067, 22101..22133		

Seq. No.	41454	Seq. ID	OJ991225_69.0310.C3
Gene No.	85908	Strand	-
Start	21351	End	22170
Name	OJ991225_69.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	21594	End	21911
GI	none	Score	127
Exons	21594..21776, 21610..21750, 21858..21911		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85909	Strand	+
Start	2879	End	4309
Name	OJ991225_69.0310.C4.o2.gs	Method	GENSCAN
Start	2879	End	4309
GI	none	Score	.46
Exons	2879..3276, 4093..4309		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85910	Strand	+
Start	15261	End	15980
Name	OJ991225_69.0310.C4.o5.gs	Method	GENSCAN

Start	15261	End	15980
GI	none	Score	.91
Exons	15261..15980		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85911	Strand	+
Start	16345	End	18455
Name	OJ991225_69.0310.C4.o3.np	Method	AAT/NAP
Start	16345	End	18455
GI	1172874	Score	280
Exons	16345..16374, 17800..18455		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi|479589|pir||S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene [Arabidopsis thaliana]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85911	Strand	+
Start	16345	End	18455
Name	OJ991225_69.0310.C4.o2.gp	Method	AAT/GAP
Start	17687	End	17935
GI	63382_1.R1084	Score	396
Exons	17687..17935		
GI Descrip.	'2804255/dbj|AB010386|AB010386 5.0e-13 Oryctolagus cuniculus mRNA for interferon gamma, complete cds'		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85912	Strand	+
Start	21519	End	21920
Name	OJ991225_69.0310.C4.o7.gs	Method	GENSCAN
Start	21519	End	21920
GI	none	Score	.78
Exons	21519..21920		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85913	Strand	+
Start	34773	End	40080
Name	OJ991225_69.0310.C4.o11.gs	Method	GENSCAN
Start	34773	End	40080
GI	none	Score	.48
Exons	34773..34880, 36525..36665, 37334..37390, 39163..39217, 39414..39793, 39885..39962, 40066..40080		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85914	Strand	+
Start	49142	End	49271
Name	OJ991225_69.0310.C4.o9.np	Method	AAT/NAP
Start	49142	End	49271
GI	124197	Score	87
Exons	49142..49271		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi|72885|pir||FIRZ1 translation initiation factor IF-1 - rice chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85915	Strand	-
Start	1	End	12024
Name	OJ991225_69.0310.C4.o2.np	Method	AAT/NAP
Start	1	End	12024
GI	5902444	Score	673
Exons	1..110, 4176..4249, 6215..6845, 7430..8846, 11903..12024		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85915	Strand	-
Start	1	End	12024
Name	OJ991225_69.0310.C4.o3.gs	Method	GENSCAN
Start	6217	End	10931
GI	none	Score	.65
Exons	6217..6293, 6362..6543, 6557..6831, 7386..7615, 8027..8217, 8461..8613, 10846..10931		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85916	Strand	-
Start	12168	End	14239
Name	OJ991225_69.0310.C4.o4.gs	Method	GENSCAN
Start	12168	End	14239
GI	none	Score	.57
Exons	12168..12251, 13445..13687, 14060..14239		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85917	Strand	-
Start	15230	End	15797
Name	OJ991225_69.0310.C4.o1.gp	Method	AAT/GAP
Start	15230	End	15797
GI	uC-osroM202037g07b1	Score	600
Exons	15230..15253, 15432..15797		
GI Descrip.	'1172874/sp|Q08298|RD22_ARATH 1.0e-15 DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR >gi_479589_pir__S34823 dehydration-induced protein RD22 - Arabidopsis thaliana >gi_391608_dbj_BAA01546_ (D10703) rd22 [Arabidopsis thaliana] >gi_447134_prf__1913421A rd22 gene [Arabidopsis thaliana]'		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85918	Strand	-
Start	21467	End	23258
Name	OJ991225_69.0310.C4.o4.np	Method	AAT/NAP
Start	21467	End	23258
GI	6322179	Score	94
Exons	21467..21834, 23204..23258		
GI Descrip.	Yil011wp gi|731779|sp|P40552|YIB1_YEAST HYPOTHETICAL 26.3 KD PROTEIN IN PDR11-FAA3 INTERGENIC REGION gi|626353|pir||S48444 probable temperature shock-inducible protein YIL011w - yeast (Saccharomyces cerevisiae) gi|558391|emb|CAA86238.1| (Z38113) orf, len: 269, CAI: 0.52 similar to SRP1_YEAST P10863 SERINE-RICH PROTEIN 1 PRECURSOR [Saccharomyces cerevisiae]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85918	Strand	-
Start	21467	End	23258

Name	OJ991225_69.0310.C4.o8.gs	Method	GENSCAN
Start	22723	End	22956
GI	none	Score	.71
Exons	22723..22956		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85919	Strand	-
Start	25769	End	28451
Name	OJ991225_69.0310.C4.o5.np	Method	AAT/NAP
Start	25769	End	28451
GI	7485221	Score	995
Exons	25769..26569, 26832..27109, 28363..28451		
GI Descrip.	hypothetical protein A_IG002N01.14 - Arabidopsis thaliana gi|2191135|gb|AAB61022.1| (AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana] gi|7267605|emb|CAB80917.1| (AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85920	Strand	-
Start	33472	End	33775
Name	OJ991225_69.0310.C4.o10.gs	Method	GENSCAN
Start	33472	End	33775
GI	none	Score	.61
Exons	33472..33489, 33626..33775		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o3.ts	Method	TBLASTX:Soybean
Start	15210	End	18454
GI	none	Score	89
Exons	15210..15293, 15339..15398, 15399..15668, 15410..15712, 15741..15788, 15831..15878, 15894..15971, 17732..17794, 17840..17899, 17900..18070, 18091..18189, 18092..18175, 18257..18295, 18287..18454, 18288..18449		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o2.tc	Method	TBLASTX:Cress
Start	15339	End	18464
GI	none	Score	53
Exons	15339..15392, 15413..15667, 15414..15662, 15681..15788, 15840..15968, 17822..17893, 17915..18070, 18062..18238, 18091..18195, 18287..18337, 18288..18464, 18371..18427		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o3.tm	Method	TBLASTX:Maize
Start	15401	End	18464
GI	none	Score	255
Exons	15401..15673, 15402..15698, 15731..15787, 15732..15788, 15831..15878, 15894..15974, 15902..15940, 15905..15973, 15919..15975, 15957..15989, 17903..18070, 18080..18163, 18083..18193, 18094..18174, 18214..18294, 18248..18295, 18257..18334, 18296..18451, 18297..18452, 18378..18464		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o5.tw	Method	TBLASTX:Wheat
Start	15404	End	18175
GI	none	Score	249
Exons	15404..15673, 15405..15674, 17906..18070, 18080..18166, 18083..18175, 18094..18174		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o9.tm	Method	TBLASTX:Maize
Start	19104	End	19399
GI	none	Score	41
Exons	19104..19178, 19126..19179, 19201..19398, 19202..19399		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o8.tw	Method	TBLASTX:Wheat
Start	19501	End	19772
GI	none	Score	85
Exons	19501..19653, 19653..19772		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	25782	End	26231
GI	none	Score	122
Exons	25782..25871, 25789..25884, 25791..25910, 25799..25912, 25904..26227, 25908..26231		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o4.ts	Method	TBLASTX:Soybean
Start	25793	End	26192
GI	none	Score	66
Exons	25793..25876, 25799..25876, 25821..25877, 25822..25968, 25911..25982, 25913..25981, 26015..26191, 26016..26192		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	25799	End	26473
GI	none	Score	80
Exons	25799..25894, 25818..25892, 25907..25990, 26024..26068, 26081..26260, 26082..26255, 26260..26409, 26262..26441, 26264..26440, 26441..26473		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660

Name	OJ991225_69.0310.C4.o7.tw	Method	TBLASTX:Wheat
Start	25799	End	26068
GI	none	Score	92
Exons	25799..25897, 25821..25898, 25907..25984, 25988..26068		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	26198	End	26617
GI	none	Score	98
Exons	26198..26617, 26219..26491, 26220..26540, 26371..26571		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	26286	End	26577
GI	none	Score	330
Exons	26286..26573, 26288..26575, 26296..26577, 26326..26574		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o3.tc	Method	TBLASTX:Cress
Start	26474	End	27114
GI	none	Score	86
Exons	26474..26584, 26487..26567, 26826..27035, 26826..27032, 26845..27036, 26846..27037, 27039..27113, 27045..27113, 27046..27114		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o6.ts	Method	TBLASTX:Soybean
Start	26826	End	27135
GI	none	Score	189
Exons	26826..27113, 26830..27108, 26830..27135, 26841..27113		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o4.tm	Method	TBLASTX:Maize
Start	26829	End	27122
GI	none	Score	138
Exons	26829..27122, 26830..27096		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o7.np	Method	AAT/NAP
Start	42029	End	43530
GI	7521950	Score	555
Exons	42029..43530		
GI Descrip.	hypothetical protein - Saccharomyces paradoxus gi|2865202|gb|AAC02631.1| (U19263) ORF [Saccharomyces paradoxus]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o8.np	Method	AAT/NAP
Start	42030	End	46660
GI	4586028	Score	1522
Exons	42030..44755, 44792..46028, 46131..46294, 46466..46660		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o6.np	Method	AAT/NAP
Start	42035	End	46602
GI	2961349	Score	1614
Exons	42035..43600, 43811..44780, 44810..45103, 45743..46011, 46377..46602		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o5.tm	Method	TBLASTX:Maize
Start	42102	End	42722
GI	none	Score	65
Exons	42102..42251, 42300..42722, 42355..42435		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o5.ts	Method	TBLASTX:Soybean
Start	42193	End	42692
GI	none	Score	132
Exons	42193..42444, 42201..42251, 42303..42692, 42324..42503, 42615..42680		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o6.tw	Method	TBLASTX:Wheat
Start	42483	End	42860
GI	none	Score	76
Exons	42483..42713, 42726..42860		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o1.tw	Method	TBLASTX:Wheat
Start	42861	End	43394
GI	none	Score	93
Exons	42861..43061, 43056..43148, 43152..43394, 43267..43380		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660

Name	OJ991225_69.0310.C4.o6.tm	Method	TBLASTX:Maize
Start	42969	End	43394
GI	none	Score	82
Exons	42969..43148, 43167..43394, 43192..43377		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o2.ts	Method	TBLASTX:Soybean
Start	43065	End	43568
GI	5509260	Score	87
Exons	43065..43148, 43155..43568, 43156..43437		
GI Descrip.	-		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o4.tc	Method	TBLASTX:Cress
Start	43176	End	43437
GI	none	Score	136
Exons	43176..43427, 43177..43437		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o3.tw	Method	TBLASTX:Wheat
Start	43815	End	44079
GI	none	Score	65
Exons	43815..43946, 43852..43950, 43856..43951, 43921..44079, 43941..44078		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o5.tc	Method	TBLASTX:Cress
Start	43941	End	44288
GI	none	Score	81
Exons	43941..44279, 44007..44288		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o4.tw	Method	TBLASTX:Wheat
Start	44085	End	44531
GI	none	Score	81
Exons	44085..44531, 44224..44517		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o7.tm	Method	TBLASTX:Maize
Start	44109	End	44546
GI	none	Score	291
Exons	44109..44546		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-

Start	42029	End	46660
Name	OJ991225_69.0310.C4.o7.ts	Method	TBLASTX:Soybean
Start	44139	End	44538
GI	none	Score	101
Exons	44139..44447, 44139..44447, 44443..44538, 44445..44537		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o6.tc	Method	TBLASTX:Cress
Start	44424	End	44705
GI	none	Score	81
Exons	44424..44618, 44425..44592, 44652..44705		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o8.tm	Method	TBLASTX:Maize
Start	44547	End	44854
GI	none	Score	142
Exons	44547..44717, 44548..44718, 44551..44724, 44552..44734, 44744..44854, 44775..44852		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o2.tw	Method	TBLASTX:Wheat
Start	44759	End	45135
GI	none	Score	149
Exons	44759..44944, 44775..44978, 44778..44999, 44982..45128, 44983..45135		

Seq. No.	41455	Seq. ID	OJ991225_69.0310.C4
Gene No.	85921	Strand	-
Start	42029	End	46660
Name	OJ991225_69.0310.C4.o10.tm	Method	TBLASTX:Maize
Start	45882	End	46118
GI	none	Score	95
Exons	45882..46118, 45903..46043		

Seq. No.	41456	Seq. ID	OJ991225_69.0310.C5
Gene No.	85922	Strand	+
Start	1412	End	9334
Name	OJ991225_69.0310.C5.o1.gs	Method	GENSCAN
Start	1412	End	8580
GI	none	Score	.61
Exons	1412..1503, 3860..3978, 4134..4234, 4348..4533, 4564..5133, 5176..5251, 5341..5429, 5541..5571, 5837..5972, 6080..6932, 7035..7859, 8143..8580		

Seq. No.	41456	Seq. ID	OJ991225_69.0310.C5
Gene No.	85922	Strand	+
Start	1412	End	9334
Name	OJ991225_69.0310.C5.o1.np	Method	AAT/NAP
Start	5411	End	9334
GI	6063557	Score	366
Exons	5411..5615, 5864..6027, 6108..6517, 9105..9334		

GI Descrip. (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85923	Strand	+
Start	5202	End	6627
Name	OJ991225_69.0310.C6.o2.gs	Method	GENSCAN
Start	5202	End	6627
GI	none	Score	.96
Exons	5202..5356, 5535..5596, 5718..5853, 5953..6025, 6262..6327, 6412..6627		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85924	Strand	-
Start	1	End	3462
Name	OJ991225_69.0310.C6.o1.np	Method	AAT/NAP
Start	1	End	3462
GI	7489805	Score	2627
Exons	1..3462		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85924	Strand	-
Start	1	End	3462
Name	OJ991225_69.0310.C6.o1.gs	Method	GENSCAN
Start	119	End	3144
GI	none	Score	.63
Exons	119..1974, 1994..3144		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	168	End	542
GI	none	Score	49
Exons	168..392, 175..393, 399..542, 400..513		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	183	End	545
GI	none	Score	98
Exons	183..545, 195..359, 241..453		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o4.tw	Method	TBLASTX:Wheat
Start	315	End	704
GI	none	Score	45
Exons	315..704, 397..438, 493..660		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o6.tm	Method	TBLASTX:Maize

Start	546	End	812
GI	none	Score	77
Exons	546..812, 547..687		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o3.tw	Method	TBLASTX:Wheat
Start	1015	End	1446
GI	none	Score	197
Exons	1015..1446, 1023..1445		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o2.ts	Method	TBLASTX:Soybean
Start	1089	End	1448
GI	none	Score	92
Exons	1089..1448, 1090..1437		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o3.ts	Method	TBLASTX:Soybean
Start	1713	End	2009
GI	none	Score	203
Exons	1713..2009		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o2.tw	Method	TBLASTX:Wheat
Start	1722	End	2091
GI	none	Score	104
Exons	1722..2009, 1824..2006, 1828..2007, 2011..2091		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o4.tm	Method	TBLASTX:Maize
Start	1818	End	2148
GI	none	Score	94
Exons	1818..2006, 1828..2007, 2005..2148, 2020..2145		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	2176	End	2533
GI	none	Score	233
Exons	2176..2532, 2177..2533		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	2206	End	2661

GI	none	Score	297
Exons	2206..2661, 2207..2635, 2266..2637		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o5.tw	Method	TBLASTX:Wheat
Start	2866	End	3216
GI	none	Score	85
Exons	2866..3087, 2867..3088, 3094..3216		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o3.tm	Method	TBLASTX:Maize
Start	5721	End	6648
GI	none	Score	208
Exons	5721..5846, 5723..5854, 5724..5855, 5726..5854, 5812..5910, 5950..6024, 5951..6025, 5951..6025, 5952..6026, 6259..6327, 6262..6327, 6408..6581, 6409..6648, 6409..6528, 6411..6638		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o3.gs	Method	GENSCAN
Start	8675	End	9738
GI	none	Score	.76
Exons	8675..8836, 8909..9028, 9330..9491, 9670..9738		

Seq. No.	41457	Seq. ID	OJ991225_69.0310.C6
Gene No.	85925	Strand	-
Start	8675	End	10549
Name	OJ991225_69.0310.C6.o5.tm	Method	TBLASTX:Maize
Start	8936	End	10549
GI	none	Score	70
Exons	8936..9025, 8936..9028, 8937..9056, 9318..9494, 9334..9492, 10318..10542, 10321..10548, 10322..10549		

Seq. No.	41458	Seq. ID	OJ991225_69.0310.C7
Gene No.	85926	Strand	-
Start	546	End	1649
Name	OJ991225_69.0310.C7.o1.gs	Method	GENSCAN
Start	546	End	1649
GI	none	Score	.98
Exons	546..618, 1570..1649		

Seq. No.	41459	Seq. ID	OJ991215_18.0306.C2
Gene No.	85927	Strand	+
Start	305	End	377
Name	OJ991215_18.0306.C2.o1.gs	Method	GENSCAN
Start	305	End	377
GI	none	Score	.91
Exons	305..377		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85928	Strand	+
Start	3878	End	4019

Name	OJ991215_18.0306.C3.o2.gp	Method	AAT/GAP
Start	3878	End	4019
GI	21474_1.R1084	Score	219
Exons	3878..4019		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85929	Strand	-
Start	1	End	186
Name	OJ991215_18.0306.C3.o1.gp	Method	AAT/GAP
Start	1	End	186
GI	4879016	Score	333
Exons	1..186		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o1.np	Method	AAT/NAP
Start	2099	End	8026
GI	4680204	Score	1046
Exons	2099..2136, 4368..4467, 4818..5037, 5134..5307, 5417..6515, 6590..8026		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o1.tc	Method	TBLASTX:Cress
Start	3509	End	3733
GI	none	Score	190
Exons	3509..3733, 3535..3732		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o1.tm	Method	TBLASTX:Maize
Start	3509	End	3730
GI	none	Score	190
Exons	3509..3730, 3535..3729		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o2.gs	Method	GENSCAN
Start	4312	End	9351
GI	none	Score	.48
Exons	4312..4497, 4577..4675, 4770..4842, 4927..5037, 5134..5307, 5417..6248, 6374..6515, 6590..8011, 9007..9351		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o2.tw	Method	TBLASTX:Wheat

Start	4968	End	5490
GI	none	Score	66
Exons	4968..5039, 5139..5321, 5146..5271, 5410..5490		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o2.np	Method	AAT/NAP
Start	6664	End	8026
GI	4680204	Score	712
Exons	6664..8026		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41460	Seq. ID	OJ991215_18.0306.C3
Gene No.	85930	Strand	-
Start	2099	End	9351
Name	OJ991215_18.0306.C3.o1.tw	Method	TBLASTX:Wheat
Start	6980	End	7383
GI	none	Score	42
Exons	6980..7075, 6980..7150, 7113..7280, 7145..7381, 7232..7381, 7243..7383, 7273..7383		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85931	Strand	+
Start	713	End	1129
Name	OJ991215_18.0306.C4.o4.gp	Method	AAT/GAP
Start	713	End	1129
GI	LIB3431-028-P1-N1-A10	Score	815
Exons	713..1129		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.gp	Method	AAT/GAP
Start	1	End	3942
GI	342_1.R1084	Score	6380
Exons	1..359, 469..566, 649..668, 704..3942		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o2.gp	Method	AAT/GAP
Start	1	End	3937
GI	342_1.R1084	Score	6374
Exons	1..359, 469..566, 649..668, 704..3937		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o3.gp	Method	AAT/GAP
Start	1	End	3941

GI	342_1.R1084	Score	6378
Exons	1..359, 469..566, 649..668, 704..3941		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o5.gp	Method	AAT/GAP
Start	1	End	4075
GI	342_1.R1084	Score	6548
Exons	1..359, 469..566, 649..668, 704..4075		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.np	Method	AAT/NAP
Start	769	End	4937
GI	4680203	Score	3270
Exons	769..1746, 2023..2253, 2407..4079, 4906..4937		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.gs	Method	GENSCAN
Start	775	End	4079
GI	none	Score	.45
Exons	775..1303, 1481..3619, 3628..4079		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.tw	Method	TBLASTX:Wheat
Start	823	End	2140
GI	none	Score	131
Exons	823..915, 904..984, 997..1137, 998..1138, 1085..1180, 1117..1176, 1183..1227, 1188..1226, 1220..1495, 1238..1306, 1308..1523, 1308..1523, 1525..2139, 1526..2140		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.tc	Method	TBLASTX:Cress
Start	1404	End	1856
GI	none	Score	292
Exons	1404..1523, 1525..1848, 1526..1852, 1716..1856, 1724..1852		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o2.tm	Method	TBLASTX:Maize
Start	1783	End	2097
GI	none	Score	67
Exons	1783..2013, 1783..2097, 1811..2086		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o3.tw	Method	TBLASTX:Wheat
Start	2141	End	2551
GI	none	Score	81
Exons	2141..2227, 2143..2232, 2143..2226, 2259..2471, 2260..2487, 2300..2488, 2488..2550, 2501..2551		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o2.ts	Method	TBLASTX:Soybean
Start	2584	End	2826
GI	none	Score	67
Exons	2584..2826, 2642..2740		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.tm	Method	TBLASTX:Maize
Start	2656	End	3114
GI	none	Score	103
Exons	2656..2850, 2860..3114, 2860..3102		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o2.tw	Method	TBLASTX:Wheat
Start	2690	End	3159
GI	none	Score	173
Exons	2690..2896, 2690..2899, 2695..2898, 2695..2919, 2899..2997, 2900..2992, 3001..3105, 3005..3094, 3106..3159, 3107..3151		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o2.tc	Method	TBLASTX:Cress
Start	2947	End	3295
GI	none	Score	88
Exons	2947..3288, 2966..3103, 3143..3295		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o7.gp	Method	AAT/GAP
Start	3003	End	4529
GI	2310235	Score	292
Exons	3003..3064, 3940..4079, 4492..4529		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o1.ts	Method	TBLASTX:Soybean

Start	3028	End	3457
GI	none	Score	121
Exons	3028..3324, 3046..3270, 3319..3381, 3374..3457, 3382..3456		

Seq. No.	41461	Seq. ID	OJ991215_18.0306.C4
Gene No.	85932	Strand	-
Start	1	End	4937
Name	OJ991215_18.0306.C4.o4.tw	Method	TBLASTX:Wheat
Start	3378	End	3728
GI	none	Score	144
Exons	3378..3566, 3388..3630, 3389..3637, 3558..3638, 3621..3728		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85933	Strand	+
Start	116	End	273
Name	OJ991215_18.0306.C5.o1.gs	Method	GENSCAN
Start	116	End	273
GI	none	Score	.66
Exons	116..273		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85934	Strand	+
Start	5310	End	6576
Name	OJ991215_18.0306.C5.o3.gs	Method	GENSCAN
Start	5310	End	6576
GI	none	Score	.65
Exons	5310..5919, 6413..6576		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85935	Strand	+
Start	11344	End	11652
Name	OJ991215_18.0306.C5.o1.np	Method	AAT/NAP
Start	11344	End	11652
GI	7430862	Score	315
Exons	11344..11652		
GI Descrip.	probable glutaredoxin - Arabidopsis thaliana gi|2244926|emb|CAB10348.1| (Z97339) glutaredoxin homolog [Arabidopsis thaliana] gi|7268318|emb|CAB78612.1| (AL161542) glutaredoxin homolog [Arabidopsis thaliana]		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85936	Strand	+
Start	12820	End	16185
Name	OJ991215_18.0306.C5.o5.gs	Method	GENSCAN
Start	12820	End	14279
GI	none	Score	.95
Exons	12820..12927, 13570..13750, 14029..14222, 14277..14279		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85936	Strand	+
Start	12820	End	16185
Name	OJ991215_18.0306.C5.o2.np	Method	AAT/NAP
Start	12997	End	16185
GI	133435	Score	451
Exons	12997..13059, 13941..14222, 16159..16185		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice		

chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85937	Strand	-
Start	1412	End	2899
Name	OJ991215_18.0306.C5.o2.gs	Method	GENSCAN
Start	1412	End	2899
GI	none	Score	.54
Exons	1412..1558, 2822..2899		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85938	Strand	-
Start	7597	End	12001
Name	OJ991215_18.0306.C5.o4.gs	Method	GENSCAN
Start	7597	End	12001
GI	none	Score	.48
Exons	7597..7744, 7806..7866, 8098..8188, 8217..8276, 9373..9515, 9562..9753, 10969..11130, 11421..11824, 11919..12001		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85938	Strand	-
Start	7597	End	12001
Name	OJ991215_18.0306.C5.o1.gp	Method	AAT/GAP
Start	11181	End	11814
GI	1631_1.R1084	Score	1229
Exons	11181..11814		
GI Descrip.	'2244926/emb|CAB10348.1| 5.0e-29 (Z97339) glutaredoxin homolog [Arabidopsis thaliana]'		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85939	Strand	-
Start	14493	End	16115
Name	OJ991215_18.0306.C5.o2.tm	Method	TBLASTX:Maize
Start	5340	End	5879
GI	none	Score	84
Exons	5340..5453, 5445..5549, 5568..5612, 5655..5879		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85939	Strand	-
Start	14493	End	16115
Name	OJ991215_18.0306.C5.o1.tc	Method	TBLASTX:Cress
Start	11335	End	11655
GI	none	Score	179
Exons	11335..11520, 11521..11655, 11523..11651		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85939	Strand	-
Start	14493	End	16115
Name	OJ991215_18.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	11343	End	11661
GI	none	Score	225
Exons	11343..11426, 11344..11526, 11509..11661, 11514..11654		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85939	Strand	-

Start	14493	End	16115
Name	OJ991215_18.0306.C5.o2.ts	Method	TBLASTX:Soybean
Start	11344	End	11655
GI	none	Score	187
Exons	11344..11490, 11358..11438, 11491..11655, 11517..11651		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85939	Strand	-
Start	14493	End	16115
Name	OJ991215_18.0306.C5.o1.ts	Method	TBLASTX:Soybean
Start	13941	End	14233
GI	none	Score	398
Exons	13941..14225, 13943..14233, 13955..14224		

Seq. No.	41462	Seq. ID	OJ991215_18.0306.C5
Gene No.	85939	Strand	-
Start	14493	End	16115
Name	OJ991215_18.0306.C5.o6.gs	Method	GENSCAN
Start	14493	End	16115
GI	none	Score	.45
Exons	14493..14821, 15615..15670, 15691..15785, 15946..16115		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o1.gp	Method	AAT/GAP
Start	857	End	3354
GI	11553_1.R1084	Score	1989
Exons	857..1130, 1500..1667, 2561..2779, 2853..2996, 3108..3354		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o1.tm	Method	TBLASTX:Maize
Start	1019	End	3687
GI	none	Score	103
Exons	1019..1132, 1020..1136, 1023..1133, 1025..1138, 1500..1604, 1500..1610, 1504..1629, 1552..1665, 2558..2779, 2559..2729, 2560..2781, 2853..2996, 2853..2996, 2869..2997, 3088..3330, 3103..3390, 3105..3413, 3105..3392, 3483..3545, 3485..3544, 3616..3687, 3622..3684		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o2.tw	Method	TBLASTX:Wheat
Start	1028	End	2605
GI	none	Score	105
Exons	1028..1132, 1029..1136, 1029..1133, 1030..1137, 1500..1664, 1500..1610, 1504..1629, 2558..2605		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687

Name	OJ991215_18.0306.C6.o1.gs	Method	GENSCAN
Start	1029	End	3556
GI	none	Score	.98
Exons	1029..1130, 1500..1667, 2561..2779, 2853..2996, 3108..3390, 3486..3556		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o1.ts	Method	TBLASTX:Soybean
Start	1029	End	3687
GI	none	Score	92
Exons	1029..1136, 1029..1133, 1458..1610, 1500..1610, 1501..1623, 1502..1615, 1555..1668, 2558..2779, 2577..2729, 2578..2781, 2632..2781, 2633..2782, 2851..2991, 2852..2989, 2853..2990, 2853..2996, 2869..2991, 3088..3330, 3105..3392, 3108..3413, 3221..3397, 3483..3545, 3485..3544, 3616..3687, 3618..3686, 3622..3687		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o1.tc	Method	TBLASTX:Cress
Start	1029	End	3683
GI	none	Score	65
Exons	1029..1133, 1032..1136, 1033..1137, 1458..1610, 1477..1668, 1500..1685, 1525..1629, 2558..2668, 2696..2779, 2853..2990, 2853..2996, 2869..2991, 3088..3330, 3105..3434, 3237..3365, 3483..3545, 3485..3544, 3616..3681, 3627..3683		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o1.np	Method	AAT/NAP
Start	1032	End	3687
GI	7484879	Score	1338
Exons	1032..1130, 1500..1667, 2561..2779, 2853..2996, 3108..3390, 3486..3541, 3616..3687		
GI Descrip.	cullin-like protein T10P11.14.1 - Arabidopsis thaliana gi|2281115|gb|AAC78267.1|AAC78267 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana] gi|7269017|emb|CAB80750.1| (AL161494) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	41463	Seq. ID	OJ991215_18.0306.C6
Gene No.	85940	Strand	-
Start	1029	End	3687
Name	OJ991215_18.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	2657	End	3300
GI	none	Score	93
Exons	2657..2779, 2658..2729, 2659..2781, 2853..2996, 2853..2996, 2869..2997, 3081..3299, 3105..3299, 3106..3300		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85941	Strand	+
Start	6271	End	16408
Name	OJ991215_18.0306.C7.o2.gs	Method	GENSCAN

Start	6271	End	16138
GI	none	Score	.61
Exons	6271..6553, 7407..7578, 9927..10127, 11494..11679, 11808..11907, 12936..13121, 13240..13287, 13369..13572, 13839..13928, 14030..14110, 14190..14252, 15466..15615, 15694..15749, 15856..16138		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85941	Strand	+
Start	6271	End	16408
Name	OJ991215_18.0306.C7.o2.np	Method	AAT/NAP
Start	7044	End	13873
GI	7339707	Score	122
Exons	7044..7577, 7663..7851, 13855..13873		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85941	Strand	+
Start	6271	End	16408
Name	OJ991215_18.0306.C7.o4.np	Method	AAT/NAP
Start	11543	End	16408
GI	6056404	Score	1101
Exons	11543..11679, 11808..11907, 12936..13121, 13240..13287, 13369..13572, 13647..13724, 13839..13928, 14030..14110, 14190..14289, 15281..15363, 15466..15615, 15694..15749, 15856..16138, 16352..16408		
GI Descrip.	(AC009525) Similar to cullin proteins [Arabidopsis thaliana]		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85942	Strand	-
Start	1	End	4609
Name	OJ991215_18.0306.C7.o1.np	Method	AAT/NAP
Start	1	End	4600
GI	7484879	Score	931
Exons	1..171, 250..330, 416..505, 712..789, 1011..1076, 1311..1496, 4273..4372, 4470..4600		
GI Descrip.	cullin-like protein T10P11.14.1 - Arabidopsis thaliana gi|2281115|gb|AAC78267.1|AAC78267 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana] gi|7269017|emb|CAB80750.1| (AL161494) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85942	Strand	-
Start	1	End	4609
Name	OJ991215_18.0306.C7.o1.gs	Method	GENSCAN
Start	109	End	4609
GI	none	Score	.92
Exons	109..171, 250..330, 712..789, 873..1076, 1151..1198, 1311..1496, 4273..4372, 4470..4609		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o1.ts	Method	TBLASTX:Soybean
Start	109	End	16408
GI	none	Score	72

Exons 109..171, 110..172, 250..333, 251..352, 252..335, 394..510, 413..508, 414..515, 414..515, 712..789, 713..790, 721..792, 737..790, 868..945, 872..1072, 873..1076, 879..1073, 1148..1198, 1152..1190, 1309..1497, 1314..1496, 1318..1497, 4270..4371, 4271..4375, 4463..4597, 4476..4598, 11564..11728, 11809..11934, 12935..13123, 12936..13124, 12948..13124, 13369..13572, 13384..13572, 13413..13580, 13646..13723, 13647..13718, 13821..13931, 14011..14106, 14033..14110, 14165..14251, 14187..14252, 15163..15207, 15276..15341, 15280..15363, 15463..15618, 15464..15553, 15685..15750, 15685..15750, 15847..16107, 15848..16144, 15855..16067, 15928..16137, 16340..16408

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o2.tm	Method	TBLASTX:Maize
Start	109	End	16408
GI	none	Score	89

Exons 109..171, 110..172, 14189..14251, 15274..15348, 15276..15341, 15280..15363, 15449..15532, 15463..15618, 15465..15545, 15685..15750, 15846..16139, 15848..16144, 15928..16140, 16340..16408

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o3.tc	Method	TBLASTX:Cress
Start	112	End	15501
GI	none	Score	71

Exons 112..171, 116..172, 250..333, 251..352, 409..507, 413..508, 414..506, 415..525, 13695..13718, 13821..13931, 14033..14110, 14165..14245, 14187..14249, 15276..15341, 15283..15363, 15301..15366, 15463..15501

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	268	End	14088
GI	none	Score	89

Exons 268..333, 272..352, 412..507, 413..508, 414..515, 712..789, 713..790, 873..1076, 879..1076, 1148..1198, 1156..1230, 1314..1496, 1315..1509, 4270..4371, 4271..4375, 4463..4585, 4463..4597, 4470..4598, 4661..4723, 11564..11728, 11567..11680, 11809..11934, 11817..11867, 12929..13117, 12936..13124, 12954..13124, 13369..13572, 13408..13572, 13413..13580, 13646..13723, 13647..13718, 13867..13932, 14011..14088

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o1.tc	Method	TBLASTX:Cress
Start	740	End	13694
GI	none	Score	51

Exons 740..793, 742..789, 873..1076, 879..1073, 1148..1198, 1309..1509, 1310..1489, 1314..1496, 4270..4371, 11805..11867,

11809..11934, 12926..13123, 12936..13124, 13369..13572, 13381..13572, 13647..13694

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o3.np	Method	AAT/NAP
Start	8717	End	14629
GI	7444451	Score	679
Exons	8717..9464, 10642..10865, 14594..14629		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o3.tm	Method	TBLASTX:Maize
Start	10300	End	10585
GI	none	Score	73
Exons	10300..10401, 10414..10584, 10415..10585		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o2.tc	Method	TBLASTX:Cress
Start	15550	End	16408
GI	none	Score	92
Exons	15550..15618, 15685..15750, 15848..15871, 15854..16144, 15897..16124, 15928..16137, 16340..16408		

Seq. No.	41464	Seq. ID	OJ991215_18.0306.C7
Gene No.	85943	Strand	-
Start	8717	End	16408
Name	OJ991215_18.0306.C7.o1.tw	Method	TBLASTX:Wheat
Start	15943	End	16408
GI	none	Score	109
Exons	15943..16140, 15946..16140, 15947..16144, 16340..16408		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85944	Strand	+
Start	1	End	688
Name	OJ991215_18.0306.C8.o1.np	Method	AAT/NAP
Start	1	End	685
GI	7484879	Score	496
Exons	1..170, 247..414, 587..685		
GI Descrip.	cullin-like protein T10P11.14.1 - Arabidopsis thaliana gi|2281115|gb|AAC78267.1|AAC78267 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana] gi|7269017|emb|CAB80750.1| (AL161494) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85944	Strand	+
Start	1	End	688
Name	OJ991215_18.0306.C8.o1.gs	Method	GENSCAN
Start	247	End	688

GI	none	Score	1
Exons	247..414, 587..688		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85945	Strand	+
Start	8603	End	10557
Name	OJ991215_18.0306.C8.o5.np	Method	AAT/NAP
Start	8456	End	8707
GI	7363274	Score	144
Exons	8456..8707		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85945	Strand	+
Start	8603	End	10557
Name	OJ991215_18.0306.C8.o4.gs	Method	GENSCAN
Start	8603	End	10393
GI	none	Score	.52
Exons	8603..8665, 9179..10393		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85945	Strand	+
Start	8603	End	10557
Name	OJ991215_18.0306.C8.o1.gp	Method	AAT/GAP
Start	9386	End	10557
GI	29585_1.R1084	Score	2276
Exons	9386..10557		
GI Descrip.	'2055230/dbj|BAA19769| 2.0e-17 (AB000130) SRC2 [Glycine max]'		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85945	Strand	+
Start	8603	End	10557
Name	OJ991215_18.0306.C8.o6.np	Method	AAT/NAP
Start	9494	End	10396
GI	7488714	Score	343
Exons	9494..10017, 10092..10396		
GI Descrip.	shock protein SRC2 - soybean gi|2055230|dbj|BAA19769.1| (AB000130) SRC2 [Glycine max]		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85946	Strand	-
Start	1213	End	6026
Name	OJ991215_18.0306.C8.o2.gs	Method	GENSCAN
Start	1213	End	6026
GI	none	Score	.94
Exons	1213..2582, 2685..2802, 2945..2997, 3012..3625, 3966..4243, 5952..6026		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85946	Strand	-
Start	1213	End	6026
Name	OJ991215_18.0306.C8.o2.np	Method	AAT/NAP
Start	1216	End	4261
GI	7108599	Score	2258
Exons	1216..2582, 2685..2802, 2945..2997, 3081..3392, 3492..3679, 3920..4261		

GI Descrip. (AF129479) HAK2 [Hordeum vulgare]

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85946	Strand	-
Start	1213	End	6026
Name	OJ991215_18.0306.C8.o3.np	Method	AAT/NAP
Start	4574	End	5999
GI	5852084	Score	91
Exons	4574..4657, 5932..5999		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o2.ts	Method	TBLASTX:Soybean
Start	1	End	679
GI	none	Score	180
Exons	1..144, 141..176, 241..414, 254..412, 312..440, 578..679		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o3.tm	Method	TBLASTX:Maize
Start	1	End	696
GI	none	Score	195
Exons	1..144, 1..138, 141..176, 146..178, 241..414, 245..427, 245..412, 246..413, 578..679, 586..696, 606..695		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o2.tc	Method	TBLASTX:Cress
Start	64	End	679
GI	none	Score	83
Exons	64..156, 241..414, 312..440, 578..679		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o1.tm	Method	TBLASTX:Maize
Start	1201	End	2802
GI	none	Score	109
Exons	1201..1437, 1222..1428, 1711..2199, 1796..2473, 2320..2577, 2353..2505, 2498..2569, 2731..2802		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o1.tc	Method	TBLASTX:Cress
Start	1205	End	4219
GI	none	Score	110
Exons	1205..1375, 1213..1437, 1705..2199, 1709..2572, 2257..2622, 2731..2805, 2927..2998, 3004..3414, 3065..3337, 3482..3637, 3493..3636, 3971..4138, 3972..4142, 4095..4217, 4133..4219		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-

Start	7022	End	8082
Name	OJ991215_18.0306.C8.o1.ts	Method	TBLASTX:Soybean
Start	1213	End	3123
GI	none	Score	310
Exons	1213..1428, 1717..2199, 1799..2212, 2230..2409, 2306..2572, 2320..2577, 2737..2805, 3055..3123		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o1.tw	Method	TBLASTX:Wheat
Start	1213	End	1443
GI	none	Score	206
Exons	1213..1443		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o4.tm	Method	TBLASTX:Maize
Start	2942	End	3288
GI	none	Score	182
Exons	2942..2998, 3004..3288, 3065..3286		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o4.ts	Method	TBLASTX:Soybean
Start	3124	End	3396
GI	none	Score	116
Exons	3124..3396, 3128..3394		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o3.ts	Method	TBLASTX:Soybean
Start	3971	End	4225
GI	none	Score	116
Exons	3971..4108, 3984..4100, 4095..4211, 4133..4225		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o5.tm	Method	TBLASTX:Maize
Start	3986	End	4234
GI	none	Score	125
Exons	3986..4093, 3987..4088, 4031..4108, 4133..4234, 4134..4214		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85947	Strand	-
Start	7022	End	8082
Name	OJ991215_18.0306.C8.o4.np	Method	AAT/NAP
Start	7022	End	8082
GI	7340909	Score	118
Exons	7022..7169, 7641..7788, 7891..8082		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8

Gene No.	85948	Strand	
Start	8496	End	8684
Name	OJ991215_18.0306.C8.o6.tm	Method	TBLASTX:Maize
Start	8496	End	8684
GI	none	Score	146
Exons	8496..8675, 8496..8564, 8497..8676, 8503..8679, 8504..8680, 8628..8684		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85949	Strand	
Start	9496	End	10396
Name	OJ991215_18.0306.C8.o2.tm	Method	TBLASTX:Maize
Start	9496	End	10396
GI	none	Score	534
Exons	9496..9918, 9497..9919, 10149..10226, 10171..10260, 10301..10396, 10332..10394, 10337..10396		

Seq. No.	41465	Seq. ID	OJ991215_18.0306.C8
Gene No.	85949	Strand	
Start	9496	End	10396
Name	OJ991215_18.0306.C8.o5.ts	Method	TBLASTX:Soybean
Start	9497	End	9865
GI	none	Score	103
Exons	9497..9604, 9632..9688, 9719..9865		

Seq. No.	41466	Seq. ID	OJ991215_18.0306.C10
Gene No.	85950	Strand	-
Start	1909	End	1949
Name	OJ991215_18.0306.C10.o1.gs	Method	GENSCAN
Start	1909	End	1949
GI	none	Score	.46
Exons	1909..1949		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85951	Strand	+
Start	735	End	1980
Name	OJ991215_18.0306.C11.o1.gs	Method	GENSCAN
Start	735	End	1980
GI	none	Score	.49
Exons	735..1110, 1273..1509, 1593..1860, 1865..1980		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85952	Strand	+
Start	4414	End	4843
Name	OJ991215_18.0306.C11.o2.gp	Method	AAT/GAP
Start	4414	End	4843
GI	LIB3479-006-Q6-K1-B11	Score	640
Exons	4414..4843		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85953	Strand	-
Start	2155	End	4624
Name	OJ991215_18.0306.C11.o2.gs	Method	GENSCAN
Start	2155	End	3342
GI	none	Score	.91

Exons	2155..2633, 2851..2899, 3193..3342		
Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85953	Strand	-
Start	2155	End	4624
Name	OJ991215_18.0306.C11.o1.np	Method	AAT/NAP
Start	2161	End	3348
GI	1170092	Score	612
Exons	2161..2633, 2851..2899, 3193..3348		
GI Descrip.	GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) gi|1076807|pir||S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize gi|529015 (U12679) glutathione S-transferase IV [Zea mays] gi|695789|emb|CAA56047| (X79515) glutathione transferase [Zea mays] gi|1094866|prf||2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85953	Strand	-
Start	2155	End	4624
Name	OJ991215_18.0306.C11.o1.gp	Method	AAT/GAP
Start	2196	End	3417
GI	16273_2.R1084	Score	1324
Exons	2196..2633, 2851..2899, 3193..3417		
GI Descrip.	'1170092/sp|P46420|GTH4_MAIZE 2.0e-66 GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) >gi_1076807_pir__S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize >gi_529015 (U12679) glutathione S-transferase IV [Zea mays] >gi_695789_emb_CAA56047_ (X79515) glutathione transferase [Zea mays] >gi_1094866_prf__2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]'		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85953	Strand	-
Start	2155	End	4624
Name	OJ991215_18.0306.C11.o2.np	Method	AAT/NAP
Start	2375	End	4624
GI	6539570	Score	205
Exons	2375..2560, 4207..4280, 4439..4624		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85954	Strand	-
Start	4760	End	4842
Name	OJ991215_18.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	2112	End	3342
GI	none	Score	153
Exons	2112..2156, 2174..2389, 2188..2547, 2374..2412, 2482..2565, 2585..2641, 2587..2634, 2840..2908, 3193..3342, 3193..3342		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85954	Strand	-
Start	4760	End	4842
Name	OJ991215_18.0306.C11.o1.tw	Method	TBLASTX:Wheat
Start	2188	End	2908
GI	none	Score	154
Exons	2188..2454, 2189..2386, 2464..2634, 2485..2628, 2594..2674, 2840..2908		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85954	Strand	-
Start	4760	End	4842
Name	OJ991215_18.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	2201	End	3342
GI	none	Score	93
Exons	2201..2386, 2203..2634, 2840..2905, 3193..3342		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85954	Strand	-
Start	4760	End	4842
Name	OJ991215_18.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	2318	End	2905
GI	none	Score	80
Exons	2318..2386, 2320..2544, 2587..2634, 2825..2905		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85954	Strand	-
Start	4760	End	4842
Name	OJ991215_18.0306.C11.o2.tw	Method	TBLASTX:Wheat
Start	3193	End	3360
GI	none	Score	197
Exons	3193..3360, 3193..3354		

Seq. No.	41467	Seq. ID	OJ991215_18.0306.C11
Gene No.	85954	Strand	-
Start	4760	End	4842
Name	OJ991215_18.0306.C11.o3.np	Method	AAT/NAP
Start	4760	End	4842
GI	6630699	Score	94
Exons	4760..4842		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41468	Seq. ID	OJ991215_18.0306.C12
Gene No.	85955	Strand	+
Start	186	End	1450
Name	OJ991215_18.0306.C12.o1.gs	Method	GENSCAN
Start	186	End	1450
GI	none	Score	.99
Exons	186..247, 1115..1450		

Seq. No.	41469	Seq. ID	OJ991215_18.0306.C14
Gene No.	85956	Strand	+
Start	1	End	1014
Name	OJ991215_18.0306.C14.o1.np	Method	AAT/NAP
Start	1	End	996
GI	6437558	Score	312
Exons	1..303, 904..996		
GI Descrip.	(AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]		

Seq. No.	41469	Seq. ID	OJ991215_18.0306.C14
Gene No.	85956	Strand	+
Start	1	End	1014
Name	OJ991215_18.0306.C14.o1.gs	Method	GENSCAN

Start	88	End	1014
GI	none	Score	.67
Exons	88..303, 904..1014		

Seq. No.	41469	Seq. ID	OJ991215_18.0306.C14
Gene No.	85957	Strand	+
Start	1124	End	1418
Name	OJ991215_18.0306.C14.o1.ts	Method	TBLASTX:Soybean
Start	81	End	303
GI	none	Score	120
Exons	81..227, 82..303, 91..231, 93..236		

Seq. No.	41469	Seq. ID	OJ991215_18.0306.C14
Gene No.	85957	Strand	+
Start	1124	End	1418
Name	OJ991215_18.0306.C14.o1.tc	Method	TBLASTX:Cress
Start	82	End	303
GI	none	Score	200
Exons	82..213, 91..204, 196..303, 207..230		

Seq. No.	41469	Seq. ID	OJ991215_18.0306.C14
Gene No.	85957	Strand	+
Start	1124	End	1418
Name	OJ991215_18.0306.C14.o1.tm	Method	TBLASTX:Maize
Start	82	End	1019
GI	none	Score	383
Exons	82..303, 82..237, 86..295, 895..1014, 903..1019, 910..1014		

Seq. No.	41469	Seq. ID	OJ991215_18.0306.C14
Gene No.	85957	Strand	+
Start	1124	End	1418
Name	OJ991215_18.0306.C14.o1.gp	Method	AAT/GAP
Start	1124	End	1418
GI	2442943	Score	532
Exons	1124..1418		
GI Descrip.	6041757/gb|AC011806.1|AC011806 1.0e-147 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o1.np	Method	AAT/NAP
Start	138	End	2809
GI	136125	Score	389
Exons	138..163, 1278..2370, 2463..2809		
GI Descrip.	PUTATIVE AC TRANSPOSASE (ORFA) gi|22113|emb|CAA29005| (X05424) ORFa [Zea mays]		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o2.gs	Method	GENSCAN
Start	693	End	3911
GI	none	Score	.64
Exons	693..877, 1281..1542, 2622..2842, 3735..3911		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o2.tm	Method	TBLASTX:Maize
Start	1269	End	1591
GI	none	Score	238
Exons	1269..1526, 1279..1554, 1280..1528, 1298..1570, 1380..1571, 1529..1591		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o3.tm	Method	TBLASTX:Maize
Start	1679	End	2042
GI	none	Score	113
Exons	1679..1825, 1684..1824, 1912..2028, 1914..2042		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o1.tw	Method	TBLASTX:Wheat
Start	1917	End	2180
GI	none	Score	98
Exons	1917..2069, 2052..2180, 2054..2179		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o4.tm	Method	TBLASTX:Maize
Start	2051	End	2203
GI	none	Score	103
Exons	2051..2203, 2055..2201		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o1.ts	Method	TBLASTX:Soybean
Start	2466	End	2774
GI	none	Score	155
Exons	2466..2537, 2544..2774		

Seq. No.	41470	Seq. ID	OJ991215_18.0306.C15
Gene No.	85958	Strand	-
Start	138	End	3911
Name	OJ991215_18.0306.C15.o1.tm	Method	TBLASTX:Maize
Start	2475	End	3885
GI	none	Score	98
Exons	2475..2540, 2529..2816, 2626..2778, 3631..3885		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85959	Strand	+
Start	356	End	853
Name	OJ991215_18.0306.C16.o1.gs	Method	GENSCAN
Start	356	End	853
GI	none	Score	.69
Exons	356..446, 488..610, 759..853		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85960	Strand	-
Start	2725	End	5397
Name	OJ991215_18.0306.C16.o1.gp	Method	AAT/GAP
Start	2725	End	3243
GI	77037_1.R1084	Score	905
Exons	2725..3243		
GI Descrip.	'3776559 3.0e-35 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85960	Strand	-
Start	2725	End	5397
Name	OJ991215_18.0306.C16.o1.tm	Method	TBLASTX:Maize
Start	2744	End	4247
GI	none	Score	68
Exons	2744..2803, 2746..2802, 3020..3343, 3030..3341, 3091..3345, 3134..3346, 4127..4207, 4127..4207, 4128..4208, 4214..4246, 4215..4247		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85960	Strand	-
Start	2725	End	5397
Name	OJ991215_18.0306.C16.o2.gs	Method	GENSCAN
Start	3029	End	5049
GI	none	Score	.61
Exons	3029..3343, 4211..4372, 4882..5049		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85960	Strand	-
Start	2725	End	5397
Name	OJ991215_18.0306.C16.o1.np	Method	AAT/NAP
Start	3065	End	5397
GI	3776559	Score	273
Exons	3065..3340, 4127..4247, 5318..5397		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85960	Strand	-
Start	2725	End	5397
Name	OJ991215_18.0306.C16.o1.ts	Method	TBLASTX:Soybean
Start	3104	End	4246
GI	none	Score	60
Exons	3104..3178, 3108..3164, 3194..3340, 3198..3341, 4115..4246		

Seq. No.	41471	Seq. ID	OJ991215_18.0306.C16
Gene No.	85960	Strand	-
Start	2725	End	5397
Name	OJ991215_18.0306.C16.o2.gp	Method	AAT/GAP
Start	4141	End	4246
GI	2443097	Score	186
Exons	4141..4246		

GI Descrip. 3776559 3.0e-35 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.np	Method	AAT/NAP
Start	1	End	4876
GI	3776559	Score	1340
Exons	1..24, 178..278, 1136..1363, 3751..4068, 4155..4439, 4565..4876		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.gp	Method	AAT/GAP
Start	174	End	1272
GI	2443097	Score	438
Exons	174..278, 1136..1272		
GI Descrip.	3776559 3.0e-35 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.tm	Method	TBLASTX:Maize
Start	177	End	4347
GI	none	Score	80
Exons	177..278, 223..276, 1136..1168, 1169..1366, 1170..1364, 1216..1368, 3748..4071, 3749..4063, 4152..4346, 4153..4347		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.gs	Method	GENSCAN
Start	178	End	4876
GI	none	Score	.72
Exons	178..278, 1136..1363, 3751..4068, 4155..4439, 4565..4876		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.ts	Method	TBLASTX:Soybean
Start	180	End	4442
GI	none	Score	62
Exons	180..281, 223..279, 1136..1366, 1137..1364, 1139..1375, 3748..4071, 3749..4072, 3750..4073, 3795..4076, 3796..4074, 4152..4439, 4153..4440, 4155..4442		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17

Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o2.tw	Method	TBLASTX:Wheat
Start	201	End	3816
GI	none	Score	64
Exons	201..278, 223..276, 1136..1366, 1137..1364, 1177..1365, 1178..1366, 3748..3816, 3749..3814		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o2.tc	Method	TBLASTX:Cress
Start	1136	End	1366
GI	none	Score	143
Exons	1136..1366, 1137..1364		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o3.tm	Method	TBLASTX:Maize
Start	2499	End	2784
GI	none	Score	171
Exons	2499..2654, 2510..2656, 2636..2716, 2659..2754, 2755..2784		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.tc	Method	TBLASTX:Cress
Start	3776	End	4397
GI	none	Score	286
Exons	3776..4072, 3778..4071, 4111..4338, 4152..4388, 4152..4397, 4153..4389		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o1.tw	Method	TBLASTX:Wheat
Start	3817	End	4308
GI	none	Score	203
Exons	3817..4074, 3818..4063, 4152..4307, 4165..4308		

Seq. No.	41472	Seq. ID	OJ991215_18.0306.C17
Gene No.	85961	Strand	-
Start	1	End	4876
Name	OJ991215_18.0306.C17.o2.tm	Method	TBLASTX:Maize
Start	4350	End	4642
GI	none	Score	77
Exons	4350..4430, 4350..4439, 4351..4440, 4554..4634, 4562..4642		

Seq. No.	41473	Seq. ID	OJ991215_18.0306.C18
Gene No.	85962	Strand	+
Start	1023	End	1781
Name	OJ991215_18.0306.C18.o1.np	Method	AAT/NAP
Start	1023	End	1781
GI	4680179	Score	1225
Exons	1023..1781		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41473	Seq. ID	OJ991215_18.0306.C18
Gene No.	85963	Strand	-
Start	222	End	1773
Name	OJ991215_18.0306.C18.o1.gs	Method	GENSCAN
Start	222	End	1773
GI	none	Score	.51
Exons	222..409, 430..648, 1234..1347, 1408..1639, 1726..1773		

Seq. No.	41473	Seq. ID	OJ991215_18.0306.C18
Gene No.	85963	Strand	-
Start	222	End	1773
Name	OJ991215_18.0306.C18.o1.tw	Method	TBLASTX:Wheat
Start	1154	End	1681
GI	none	Score	608
Exons	1154..1681, 1235..1648, 1425..1676, 1426..1680		

Seq. No.	41473	Seq. ID	OJ991215_18.0306.C18
Gene No.	85963	Strand	-
Start	222	End	1773
Name	OJ991215_18.0306.C18.o1.tc	Method	TBLASTX:Cress
Start	1388	End	1705
GI	none	Score	88
Exons	1388..1561, 1562..1705, 1564..1704		

Seq. No.	41473	Seq. ID	OJ991215_18.0306.C18
Gene No.	85963	Strand	-
Start	222	End	1773
Name	OJ991215_18.0306.C18.o1.ts	Method	TBLASTX:Soybean
Start	1469	End	1728
GI	none	Score	291
Exons	1469..1726, 1474..1728		

Seq. No.	41473	Seq. ID	OJ991215_18.0306.C18
Gene No.	85963	Strand	-
Start	222	End	1773
Name	OJ991215_18.0306.C18.o1.tm	Method	TBLASTX:Maize
Start	1493	End	1747
GI	none	Score	351
Exons	1493..1747, 1498..1737		

Seq. No.	41474	Seq. ID	OJ991215_18.0306.C19
Gene No.	85964	Strand	+
Start	1	End	774
Name	OJ991215_18.0306.C19.o1.np	Method	AAT/NAP
Start	1	End	774
GI	7340881	Score	113
Exons	1..131, 512..636, 742..774		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85965	Strand	+
Start	2506	End	10370
Name	OJ991215_18.0306.C20.o1.gs	Method	GENSCAN
Start	2506	End	10370
GI	none	Score	.46
Exons	2506..2584, 3413..3445, 3664..3761, 4128..4299, 4336..4674,		

4797..4913, 5053..6761, 6834..7525, 7637..9436, 9554..10370

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85965	Strand	+
Start	2506	End	10370
Name	OJ991215_18.0306.C20.o2.np	Method	AAT/NAP
Start	4407	End	10367
GI	7228457	Score	8725
Exons	4407..4773, 4835..6770, 6834..7668, 7791..8750, 8817..10367		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85966	Strand	-
Start	3150	End	4422
Name	OJ991215_18.0306.C20.o1.np	Method	AAT/NAP
Start	3150	End	4422
GI	7523512	Score	187
Exons	3150..3281, 4295..4422		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85967	Strand	-
Start	10992	End	15879
Name	OJ991215_18.0306.C20.o2.gs	Method	GENSCAN
Start	10992	End	14742
GI	none	Score	.73
Exons	10992..12711, 12797..13195, 13337..13428, 13489..13862, 13929..14077, 14556..14617, 14701..14742		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85967	Strand	-
Start	10992	End	15879
Name	OJ991215_18.0306.C20.o3.np	Method	AAT/NAP
Start	10995	End	14058
GI	6907089	Score	3971
Exons	10995..12711, 12797..14058		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85967	Strand	-
Start	10992	End	15879
Name	OJ991215_18.0306.C20.o5.np	Method	AAT/NAP
Start	13153	End	15879
GI	5922623	Score	133
Exons	13153..13187, 15132..15285, 15794..15879		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85967	Strand	-
Start	10992	End	15879
Name	OJ991215_18.0306.C20.o4.np	Method	AAT/NAP
Start	14696	End	14819
GI	7523512	Score	178

Exons	14696..14819		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o5.tm	Method	TBLASTX:Maize
Start	5103	End	5351
GI	none	Score	197
Exons	5103..5351, 5105..5350		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o7.tw	Method	TBLASTX:Wheat
Start	5115	End	5453
GI	none	Score	116
Exons	5115..5213, 5132..5212, 5180..5419, 5196..5453		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o3.tw	Method	TBLASTX:Wheat
Start	6191	End	6677
GI	none	Score	402
Exons	6191..6322, 6192..6677, 6192..6353, 6386..6646, 6411..6650		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o1.tw	Method	TBLASTX:Wheat
Start	6842	End	7304
GI	none	Score	589
Exons	6842..7294, 6843..7304, 6843..7304		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o3.ts	Method	TBLASTX:Soybean
Start	6882	End	7247
GI	none	Score	107
Exons	6882..7106, 7113..7247		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o1.tm	Method	TBLASTX:Maize
Start	6972	End	7328
GI	none	Score	381
Exons	6972..7328, 7007..7294, 7093..7317, 7212..7328		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o3.tm	Method	TBLASTX:Maize
Start	7355	End	7739
GI	none	Score	354

Exons	7355..7720, 7356..7739		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o2.tw	Method	TBLASTX:Wheat
Start	7412	End	7832
GI	none	Score	480
Exons	7412..7807, 7413..7832		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o1.ts	Method	TBLASTX:Soybean
Start	7491	End	7862
GI	none	Score	276
Exons	7491..7862, 7508..7651		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o5.tw	Method	TBLASTX:Wheat
Start	8268	End	8729
GI	none	Score	234
Exons	8268..8519, 8295..8546, 8360..8545, 8524..8556, 8580..8729, 8591..8728		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o2.ts	Method	TBLASTX:Soybean
Start	8418	End	8984
GI	5666795	Score	62
Exons	8418..8516, 8592..8729, 8769..8984		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o9.tw	Method	TBLASTX:Wheat
Start	8732	End	9044
GI	none	Score	193
Exons	8732..8908, 8769..9044		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o2.tm	Method	TBLASTX:Maize
Start	9237	End	9560
GI	none	Score	357
Exons	9237..9560, 9266..9547		
Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o4.tw	Method	TBLASTX:Wheat
Start	9374	End	9775

GI	none	Score	365
Exons	9374..9775, 9375..9755		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o8.tw	Method	TBLASTX:Wheat
Start	9780	End	10358
GI	none	Score	229
Exons	9780..10040, 9782..10039, 9804..10172, 9896..10066, 10232..10354, 10233..10358		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o3.gs	Method	GENSCAN
Start	16246	End	29275
GI	none	Score	.51
Exons	16246..16346, 16383..16580, 16886..16963, 17224..17343, 17428..17505, 17576..17707, 17759..17963, 18054..18315, 18494..18702, 18784..19197, 19270..19690, 19801..19927, 20384..21611, 22010..22473, 22549..22763, 22914..23046, 24019..24120, 25024..25089, 25116..25169, 25196..25492, 26337..26428, 26647..26776, 28732..28810, 29210..29275		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o6.np	Method	AAT/NAP
Start	19147	End	23053
GI	7228442	Score	1569
Exons	19147..19255, 20384..22468, 22496..22682, 22728..23053		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o6.tw	Method	TBLASTX:Wheat
Start	21279	End	21652
GI	none	Score	78
Exons	21279..21461, 21348..21461, 21358..21462, 21474..21593, 21593..21652		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669
Name	OJ991215_18.0306.C20.o4.tm	Method	TBLASTX:Maize
Start	21372	End	21958
GI	none	Score	117
Exons	21372..21452, 21593..21778, 21594..21779, 21836..21958, 21840..21953		

Seq. No.	41475	Seq. ID	OJ991215_18.0306.C20
Gene No.	85968	Strand	-
Start	16246	End	29669

Name	OJ991215_18.0306.C20.o6.tm	Method	TBLASTX:Maize
Start	29070	End	29669
GI	none	Score	101
Exons	29070..29159, 29096..29152, 29472..29603, 29475..29606, 29596..29655, 29601..29669		

Seq. No.	41476	Seq. ID	OJ991215_18.0306.C21
Gene No.	85969	Strand	-
Start	288	End	923
Name	OJ991215_18.0306.C21.o1.gs	Method	GENSCAN
Start	288	End	877
GI	none	Score	.93
Exons	288..877		

Seq. No.	41476	Seq. ID	OJ991215_18.0306.C21
Gene No.	85969	Strand	-
Start	288	End	923
Name	OJ991215_18.0306.C21.o1.np	Method	AAT/NAP
Start	291	End	923
GI	4680179	Score	1053
Exons	291..923		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41476	Seq. ID	OJ991215_18.0306.C21
Gene No.	85969	Strand	-
Start	288	End	923
Name	OJ991215_18.0306.C21.o2.tm	Method	TBLASTX:Maize
Start	315	End	512
GI	none	Score	188
Exons	315..512		

Seq. No.	41476	Seq. ID	OJ991215_18.0306.C21
Gene No.	85969	Strand	-
Start	288	End	923
Name	OJ991215_18.0306.C21.o1.tw	Method	TBLASTX:Wheat
Start	336	End	758
GI	none	Score	79
Exons	336..758, 454..576, 561..641, 616..738		

Seq. No.	41476	Seq. ID	OJ991215_18.0306.C21
Gene No.	85969	Strand	-
Start	288	End	923
Name	OJ991215_18.0306.C21.o1.tm	Method	TBLASTX:Maize
Start	516	End	923
GI	none	Score	62
Exons	516..923, 529..627, 658..921		

Seq. No.	41476	Seq. ID	OJ991215_18.0306.C21
Gene No.	85969	Strand	-
Start	288	End	923
Name	OJ991215_18.0306.C21.o2.tw	Method	TBLASTX:Wheat
Start	762	End	923
GI	none	Score	89
Exons	762..923, 766..921		

Seq. No.	41477	Seq. ID	OJ991215_18.0306.C26
Gene No.	85970	Strand	-

Start	194	End	702
Name	OJ991215_18.0306.C26.o1.np	Method	AAT/NAP
Start	194	End	702
GI	7228450	Score	177
Exons	194..306, 376..498, 641..702		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41477	Seq. ID	OJ991215_18.0306.C26
Gene No.	85971	Strand	-
Start	1084	End	2163
Name	OJ991215_18.0306.C26.o1.gs	Method	GENSCAN
Start	1084	End	2163
GI	none	Score	.87
Exons	1084..1159, 1512..1572, 1992..2163		

Seq. No.	41477	Seq. ID	OJ991215_18.0306.C26
Gene No.	85972	Strand	-
Start	2110	End	2681
Name	OJ991215_18.0306.C26.o2.np	Method	AAT/NAP
Start	2110	End	2681
GI	5042454	Score	182
Exons	2110..2170, 2516..2681		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o2.gs	Method	GENSCAN
Start	2108	End	3119
GI	none	Score	.64
Exons	2108..2662, 2676..3119		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o1.np	Method	AAT/NAP
Start	2235	End	3183
GI	6633841	Score	432
Exons	2235..2741, 2835..3183		
GI Descrip.	(AC008047) F2K11.25 [Arabidopsis thaliana]		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o1.tc	Method	TBLASTX:Cress
Start	2237	End	2609
GI	none	Score	85
Exons	2237..2356, 2399..2608, 2406..2540, 2562..2609		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o1.tm	Method	TBLASTX:Maize
Start	2237	End	3086
GI	none	Score	188
Exons	2237..2377, 2325..2654, 2402..2665, 2667..2768, 2698..2793, 2814..3047, 2892..3086		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o2.ts	Method	TBLASTX:Soybean
Start	2255	End	2714
GI	none	Score	75
Exons	2255..2353, 2396..2662, 2400..2540, 2574..2669, 2667..2714		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o2.tc	Method	TBLASTX:Cress
Start	2700	End	3002
GI	none	Score	183
Exons	2700..2861, 2811..3002		

Seq. No.	41478	Seq. ID	OJ991215_18.0306.C27
Gene No.	85973	Strand	-
Start	2108	End	3183
Name	OJ991215_18.0306.C27.o1.ts	Method	TBLASTX:Soybean
Start	2718	End	3078
GI	none	Score	68
Exons	2718..2789, 2814..3071, 2944..3078		

Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85974	Strand	+
Start	81	End	329
Name	OJ991215_18.0306.C28.o1.gs	Method	GENSCAN
Start	81	End	329
GI	none	Score	.75
Exons	81..329		

Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85975	Strand	+
Start	1575	End	2103
Name	OJ991215_18.0306.C28.o2.gs	Method	GENSCAN
Start	1575	End	2103
GI	none	Score	.62
Exons	1575..1813, 1977..2103		

Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85976	Strand	+
Start	2555	End	5615
Name	OJ991215_18.0306.C28.o2.np	Method	AAT/NAP
Start	2533	End	5615
GI	6437558	Score	1693
Exons	2533..2752, 3237..3347, 3488..3591, 4113..4225, 4345..4442, 4539..4718, 4805..5026, 5158..5292, 5384..5615		
GI Descrip.	(AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]		

Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85976	Strand	+
Start	2555	End	5615
Name	OJ991215_18.0306.C28.o3.gs	Method	GENSCAN
Start	2555	End	5540
GI	none	Score	.89

Exons	2555..2890, 3225..3347, 3488..3591, 4113..4225, 4345..4442, 4539..4718, 4805..5026, 5158..5292, 5357..5540		
Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85977	Strand	-
Start	1	End	268
Name	OJ991215_18.0306.C28.o1.np	Method	AAT/NAP
Start	1	End	268
GI	5454199	Score	175
Exons	1..268		
GI Descrip.	(AC005698) T3P18.13 [Arabidopsis thaliana]		
Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85977	Strand	-
Start	1	End	268
Name	OJ991215_18.0306.C28.o2.tm	Method	TBLASTX:Maize
Start	2	End	241
GI	none	Score	179
Exons	2..238, 3..149, 4..240, 5..241		
Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85978	Strand	
Start	3228	End	5615
Name	OJ991215_18.0306.C28.o1.tm	Method	TBLASTX:Maize
Start	3228	End	5615
GI	none	Score	45
Exons	3228..3266, 3247..3345, 3486..3557, 3487..3591, 3488..3592, 3488..3592, 3489..3593, 4110..4226, 4111..4227, 4112..4231, 4346..4441, 4347..4442, 4350..4442, 4538..4714, 4539..4718, 4539..4718, 4540..4725, 4802..5035, 4804..4965, 4805..5035, 4806..5051, 5011..5055, 5152..5295, 5156..5293, 5381..5614, 5382..5615, 5383..5613		
Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85978	Strand	
Start	3228	End	5615
Name	OJ991215_18.0306.C28.o1.ts	Method	TBLASTX:Soybean
Start	3487	End	5614
GI	none	Score	67
Exons	3487..3567, 3487..3558, 3488..3580, 4111..4137, 4189..4227, 4346..4441, 4347..4442, 4351..4443, 4539..4718, 4574..4717, 4802..5050, 4810..4965, 4839..5054, 4841..5056, 5152..5295, 5152..5256, 5156..5308, 5381..5614, 5382..5612, 5383..5613		
Seq. No.	41479	Seq. ID	OJ991215_18.0306.C28
Gene No.	85978	Strand	
Start	3228	End	5615
Name	OJ991215_18.0306.C28.o1.tc	Method	TBLASTX:Cress
Start	4886	End	5614
GI	none	Score	132
Exons	4886..5020, 5176..5295, 5176..5253, 5181..5258, 5228..5308, 5362..5496, 5381..5500, 5382..5426, 5383..5496, 5444..5614, 5500..5613		
Seq. No.	41480	Seq. ID	OJ991015_18.0315.C1
Gene No.	85979	Strand	+
Start	1	End	931

Name	OJ991015_18.0315.C1.o1.np	Method	AAT/NAP
Start	1	End	904
GI	5020219	Score	446
Exons	1..904		
GI Descrip.	(AF149919) wax synthase [Simmondsia chinensis]		

Seq. No.	41480	Seq. ID	OJ991015_18.0315.C1
Gene No.	85979	Strand	+
Start	1	End	931
Name	OJ991015_18.0315.C1.o1.gs	Method	GENSCAN
Start	88	End	931
GI	none	Score	1
Exons	88..931		

Seq. No.	41480	Seq. ID	OJ991015_18.0315.C1
Gene No.	85980	Strand	+
Start	2298	End	2855
Name	OJ991015_18.0315.C1.o2.gs	Method	GENSCAN
Start	2298	End	2855
GI	none	Score	.49
Exons	2298..2315, 2829..2855		

Seq. No.	41481	Seq. ID	OJ991015_18.0315.C2
Gene No.	85981	Strand	+
Start	1346	End	4363
Name	OJ991015_18.0315.C2.o1.gs	Method	GENSCAN
Start	1346	End	4363
GI	none	Score	.78
Exons	1346..1409, 2830..3011, 3051..3581, 3827..4363		

Seq. No.	41481	Seq. ID	OJ991015_18.0315.C2
Gene No.	85982	Strand	
Start	4420	End	4699
Name	OJ991015_18.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	4420	End	4699
GI	none	Score	234
Exons	4420..4689, 4421..4699, 4475..4690		

Seq. No.	41482	Seq. ID	OJ991015_18.0315.C3
Gene No.	85983	Strand	+
Start	1	End	1969
Name	OJ991015_18.0315.C3.o1.np	Method	AAT/NAP
Start	1	End	1969
GI	4581164	Score	416
Exons	1..427, 1942..1969		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41482	Seq. ID	OJ991015_18.0315.C3
Gene No.	85983	Strand	+
Start	1	End	1969
Name	OJ991015_18.0315.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	421
GI	none	Score	474
Exons	2..421, 7..420		

Seq. No.	41482	Seq. ID	OJ991015_18.0315.C3

Gene No.	85983	Strand	+
Start	1	End	1969
Name	OJ991015_18.0315.C3.o1.ts	Method	TBLASTX:Soybean
Start	4	End	295
GI	none	Score	209
Exons	4..105, 5..295, 188..292		

Seq. No.	41482	Seq. ID	OJ991015_18.0315.C3
Gene No.	85983	Strand	+
Start	1	End	1969
Name	OJ991015_18.0315.C3.o1.tw	Method	TBLASTX:Wheat
Start	11	End	424
GI	none	Score	330
Exons	11..424, 46..387		

Seq. No.	41482	Seq. ID	OJ991015_18.0315.C3
Gene No.	85983	Strand	+
Start	1	End	1969
Name	OJ991015_18.0315.C3.o1.gs	Method	GENSCAN
Start	35	End	741
GI	none	Score	.67
Exons	35..410, 563..741		

Seq. No.	41482	Seq. ID	OJ991015_18.0315.C3
Gene No.	85983	Strand	+
Start	1	End	1969
Name	OJ991015_18.0315.C3.o2.tm	Method	TBLASTX:Maize
Start	424	End	696
GI	none	Score	294
Exons	424..696, 426..677		

Seq. No.	41483	Seq. ID	OJ991015_18.0315.C4
Gene No.	85984	Strand	+
Start	2115	End	3139
Name	OJ991015_18.0315.C4.o1.np	Method	AAT/NAP
Start	2115	End	3139
GI	5020219	Score	253
Exons	2115..2992, 3104..3139		
GI Descrip.	(AF149919) wax synthase [Simmondsia chinensis]		

Seq. No.	41483	Seq. ID	OJ991015_18.0315.C4
Gene No.	85984	Strand	+
Start	2115	End	3139
Name	OJ991015_18.0315.C4.o1.gs	Method	GENSCAN
Start	2132	End	3060
GI	none	Score	.57
Exons	2132..2332, 2344..3060		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85985	Strand	+
Start	1	End	5104
Name	OJ991015_18.0315.C5.o1.np	Method	AAT/NAP
Start	1	End	5104
GI	4680203	Score	3077
Exons	1..86, 338..1993, 2147..2377, 2654..3446, 4920..5104		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85985	Strand	+
Start	1	End	5104
Name	OJ991015_18.0315.C5.o1.gs	Method	GENSCAN
Start	338	End	4788
GI	none	Score	.61
Exons	338..1150, 1564..1720, 2058..2899, 3062..3226, 3251..3446, 4371..4415, 4520..4788		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85985	Strand	+
Start	1	End	5104
Name	OJ991015_18.0315.C5.o1.gp	Method	AAT/GAP
Start	342	End	3507
GI	342_1.R1084	Score	4918
Exons	342..3507		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85986	Strand	+
Start	9485	End	11692
Name	OJ991015_18.0315.C5.o3.gs	Method	GENSCAN
Start	9485	End	11692
GI	none	Score	.84
Exons	9485..9492, 9833..9959, 11492..11692		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85987	Strand	-
Start	4917	End	5188
Name	OJ991015_18.0315.C5.o2.gp	Method	AAT/GAP
Start	4917	End	5188
GI	LIB3431-028-P1-N1-A10	Score	412
Exons	4917..5090, 5118..5188		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o4.tw	Method	TBLASTX:Wheat
Start	663	End	1040
GI	none	Score	90
Exons	663..782, 695..820, 779..1024, 789..1040, 793..1023		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o1.ts	Method	TBLASTX:Soybean
Start	961	End	1389
GI	none	Score	100
Exons	961..1026, 962..1036, 1121..1324, 1126..1302, 1312..1371, 1321..1389		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099

Name	OJ991015_18.0315.C5.o2.tc	Method	TBLASTX:Cress
Start	1129	End	1470
GI	none	Score	149
Exons	1129..1275, 1130..1318, 1323..1451, 1324..1470		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o2.tw	Method	TBLASTX:Wheat
Start	1256	End	1727
GI	none	Score	68
Exons	1256..1312, 1267..1314, 1323..1412, 1324..1416, 1420..1518, 1425..1517, 1428..1520, 1498..1722, 1521..1727, 1623..1727		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o1.tm	Method	TBLASTX:Maize
Start	1324	End	1758
GI	none	Score	223
Exons	1324..1539, 1324..1539, 1567..1758		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o2.ts	Method	TBLASTX:Soybean
Start	1591	End	1791
GI	none	Score	200
Exons	1591..1791		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o3.tw	Method	TBLASTX:Wheat
Start	1849	End	2259
GI	none	Score	87
Exons	1849..1899, 1850..1912, 1898..2140, 1918..2100, 2168..2257, 2173..2259, 2174..2257		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o2.tm	Method	TBLASTX:Maize
Start	2174	End	2652
GI	none	Score	285
Exons	2174..2650, 2443..2652		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o1.tw	Method	TBLASTX:Wheat
Start	2260	End	5050
GI	none	Score	932
Exons	2260..3162, 2261..3178, 3171..3212, 3172..3222, 3173..3217, 3223..3315, 3224..3283, 3262..3402, 3263..3391, 3293..3409, 3415..3453, 3416..3448, 4919..4957, 4958..5050		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	2548	End	2995
GI	none	Score	141
Exons	2548..2985, 2548..2991, 2552..2995, 2846..2995		

Seq. No.	41484	Seq. ID	OJ991015_18.0315.C5
Gene No.	85988	Strand	-
Start	5961	End	8099
Name	OJ991015_18.0315.C5.o2.gs	Method	GENSCAN
Start	5961	End	8099
GI	none	Score	.58
Exons	5961..6172, 6513..6674, 8006..8099		

Seq. No.	41485	Seq. ID	OJ991015_18.0315.C6
Gene No.	85989	Strand	+
Start	246	End	486
Name	OJ991015_18.0315.C6.o1.gs	Method	GENSCAN
Start	246	End	486
GI	none	Score	.57
Exons	246..355, 426..486		

Seq. No.	41485	Seq. ID	OJ991015_18.0315.C6
Gene No.	85990	Strand	-
Start	549	End	5312
Name	OJ991015_18.0315.C6.o1.np	Method	AAT/NAP
Start	549	End	4808
GI	6815052	Score	1471
Exons	549..670, 927..1005, 1085..1794, 1843..1987, 2762..2855, 3771..3861, 4167..4290, 4554..4632, 4659..4808		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	41485	Seq. ID	OJ991015_18.0315.C6
Gene No.	85990	Strand	-
Start	549	End	5312
Name	OJ991015_18.0315.C6.o2.gs	Method	GENSCAN
Start	1160	End	5312
GI	none	Score	.75
Exons	1160..1302, 1843..1990, 2833..2886, 3771..3864, 4068..4165, 4638..4783, 5273..5312		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85991	Strand	+
Start	2417	End	2910
Name	OJ991015_18.0315.C7.o2.gp	Method	AAT/GAP
Start	2417	End	2910
GI	38782_1.R1084	Score	805
Exons	2417..2910		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85992	Strand	+
Start	3069	End	8365
Name	OJ991015_18.0315.C7.o2.gs	Method	GENSCAN

Start	3069	End	8365
GI	none	Score	.44
Exons	3069..3239, 3299..3420, 3646..3923, 4348..5727, 5948..7716, 7748..8365		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85992	Strand	+
Start	3069	End	8365
Name	OJ991015_18.0315.C7.o1.np	Method	AAT/NAP
Start	4467	End	8360
GI	4680179	Score	3660
Exons	4467..5538, 5641..8360		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85993	Strand	+
Start	24367	End	28242
Name	OJ991015_18.0315.C7.o6.gs	Method	GENSCAN
Start	24367	End	28242
GI	none	Score	.79
Exons	24367..24999, 25091..25166, 25255..26203, 26340..26937, 27025..27162, 27447..27755, 27786..27880, 28005..28242		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85994	Strand	-
Start	1097	End	1288
Name	OJ991015_18.0315.C7.o1.gp	Method	AAT/GAP
Start	1097	End	1288
GI	5667165	Score	356
Exons	1097..1288		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85995	Strand	-
Start	18592	End	22497
Name	OJ991015_18.0315.C7.o2.np	Method	AAT/NAP
Start	18592	End	22497
GI	6539553	Score	6741
Exons	18592..22497		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o12.tw	Method	TBLASTX:Wheat
Start	4701	End	5078
GI	none	Score	268
Exons	4701..5078		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o12.tm	Method	TBLASTX:Maize

Start	4959	End	5360
GI	none	Score	232
Exons	4959..5360		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o14.tw	Method	TBLASTX:Wheat
Start	5676	End	6078
GI	none	Score	145
Exons	5676..5819, 5676..5729, 5720..5818, 5904..6059, 5908..6078		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o13.tm	Method	TBLASTX:Maize
Start	6091	End	6288
GI	none	Score	196
Exons	6091..6288, 6141..6287		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o4.tw	Method	TBLASTX:Wheat
Start	6219	End	31406
GI	none	Score	531
Exons	6219..6674, 6220..6702, 6247..6693, 31101..31406		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o4.tm	Method	TBLASTX:Maize
Start	6352	End	31503
GI	none	Score	162
Exons	6352..6597, 31146..31493, 31146..31502, 31147..31503		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o7.tm	Method	TBLASTX:Maize
Start	6598	End	31142
GI	none	Score	147
Exons	6598..6768, 6775..7089, 6798..7067, 31014..31142		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o1.ts	Method	TBLASTX:Soybean
Start	6643	End	31097
GI	none	Score	56
Exons	6643..6675, 6643..6675, 6660..6755, 6679..7038, 6679..6987, 6795..7010, 30807..31097		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o7.tw	Method	TBLASTX:Wheat

Start	6703	End	31062
GI	none	Score	146
Exons	6703..7047, 6705..6953, 30643..30798, 30661..30789, 30801..31061, 30801..31061, 30865..31062		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o2.tw	Method	TBLASTX:Wheat
Start	7053	End	7492
GI	none	Score	603
Exons	7053..7478, 7054..7479, 7115..7492		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o7.ts	Method	TBLASTX:Soybean
Start	7060	End	30552
GI	none	Score	214
Exons	7060..7305, 7089..7187, 30445..30552		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	7124	End	7479
GI	none	Score	471
Exons	7124..7351, 7126..7479, 7128..7478		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o5.tw	Method	TBLASTX:Wheat
Start	7522	End	8047
GI	none	Score	97
Exons	7522..7689, 7666..8043, 7696..8043, 7697..8047		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o10.tm	Method	TBLASTX:Maize
Start	7694	End	8011
GI	none	Score	261
Exons	7694..8011, 7733..7996, 7807..8010		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o2.tc	Method	TBLASTX:Cress
Start	7754	End	8071
GI	none	Score	94
Exons	7754..7927, 7775..7927, 7928..8071, 7930..8055		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o5.ts	Method	TBLASTX:Soybean

Start	7840	End	8095
GI	none	Score	296
Exons	7840..8094, 7847..8095		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o2.tm	Method	TBLASTX:Maize
Start	8012	End	29223
GI	none	Score	461
Exons	8012..8329, 8014..8325, 8027..8332, 20677..20838, 29008..29223		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o8.tw	Method	TBLASTX:Wheat
Start	8053	End	29226
GI	none	Score	362
Exons	8053..8331, 8054..8335, 8082..8360, 29008..29226		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o3.tw	Method	TBLASTX:Wheat
Start	18728	End	19204
GI	none	Score	351
Exons	18728..19114, 18762..19112, 18766..19113, 19129..19203, 19133..19204		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o6.ts	Method	TBLASTX:Soybean
Start	18856	End	19197
GI	none	Score	79
Exons	18856..19065, 18935..19060, 19084..19197, 19091..19171		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o9.tm	Method	TBLASTX:Maize
Start	19060	End	19399
GI	none	Score	196
Exons	19060..19398, 19061..19399		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o3.ts	Method	TBLASTX:Soybean
Start	19210	End	19555
GI	none	Score	118
Exons	19210..19554, 19355..19555		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o6.tw	Method	TBLASTX:Wheat

Start	19408	End	19953
GI	none	Score	48
Exons	19408..19614, 19418..19540, 19609..19953, 19633..19806		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o5.tm	Method	TBLASTX:Maize
Start	19489	End	19954
GI	none	Score	53
Exons	19489..19953, 19592..19702, 19636..19818, 19772..19954		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o2.ts	Method	TBLASTX:Soybean
Start	19624	End	20088
GI	5509260	Score	58
Exons	19624..20088, 19643..19702, 19775..19870, 19919..19987		
GI Descrip.	-		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o1.tc	Method	TBLASTX:Cress
Start	19735	End	19995
GI	none	Score	286
Exons	19735..19995		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o1.tw	Method	TBLASTX:Wheat
Start	20008	End	20763
GI	none	Score	200
Exons	20008..20247, 20009..20167, 20025..20255, 20028..20243, 20276..20755, 20299..20763		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o4.ts	Method	TBLASTX:Soybean
Start	20413	End	20811
GI	none	Score	38
Exons	20413..20586, 20540..20578, 20587..20811, 20633..20803		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o11.tw	Method	TBLASTX:Wheat
Start	20764	End	20955
GI	none	Score	186
Exons	20764..20955, 20764..20955		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511

Name	OJ991015_18.0315.C7.o8.ts	Method	TBLASTX:Soybean
Start	20821	End	21207
GI	none	Score	88
Exons	20821..21069, 21052..21207		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o3.tm	Method	TBLASTX:Maize
Start	21234	End	21556
GI	none	Score	389
Exons	21234..21425, 21235..21549, 21236..21529, 21302..21556		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o6.tm	Method	TBLASTX:Maize
Start	22055	End	22368
GI	none	Score	288
Exons	22055..22360, 22057..22368		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o9.tw	Method	TBLASTX:Wheat
Start	22116	End	22503
GI	none	Score	250
Exons	22116..22379, 22117..22503, 22118..22492		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o3.np	Method	AAT/NAP
Start	28514	End	34397
GI	4378066	Score	3034
Exons	28514..33530, 33987..34132, 34202..34397		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o7.gs	Method	GENSCAN
Start	28657	End	34511
GI	none	Score	.53
Exons	28657..29564, 29625..30067, 30140..30774, 30834..31220, 31284..31529, 31623..32003, 32211..33707, 33737..33949, 34041..34511		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o9.ts	Method	TBLASTX:Soybean
Start	29089	End	29448
GI	none	Score	90
Exons	29089..29307, 29320..29448		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o13.tw	Method	TBLASTX:Wheat
Start	29236	End	29625
GI	none	Score	246
Exons	29236..29625		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o8.tm	Method	TBLASTX:Maize
Start	29275	End	29733
GI	none	Score	47
Exons	29275..29733, 29276..29368, 29414..29608		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o10.tw	Method	TBLASTX:Wheat
Start	29935	End	30367
GI	none	Score	211
Exons	29935..30366, 29936..30367		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o16.tw	Method	TBLASTX:Wheat
Start	30370	End	30576
GI	none	Score	78
Exons	30370..30573, 30371..30559, 30421..30576		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o11.tm	Method	TBLASTX:Maize
Start	30736	End	31008
GI	none	Score	156
Exons	30736..30801, 30801..31007, 30841..31008		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o15.tw	Method	TBLASTX:Wheat
Start	31836	End	32195
GI	none	Score	84
Exons	31836..32057, 31837..32058, 32064..32195		

Seq. No.	41486	Seq. ID	OJ991015_18.0315.C7
Gene No.	85996	Strand	-
Start	28657	End	34511
Name	OJ991015_18.0315.C7.o17.tw	Method	TBLASTX:Wheat
Start	32988	End	33332
GI	none	Score	179
Exons	32988..33332		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	85997	Strand	+
Start	1241	End	1629
Name	OJ991015_18.0315.C8.o1.gs	Method	GENSCAN
Start	1241	End	1629
GI	none	Score	.9
Exons	1241..1327, 1548..1629		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	85998	Strand	+
Start	2134	End	3806
Name	OJ991015_18.0315.C8.o1.np	Method	AAT/NAP
Start	2134	End	3794
GI	6069650	Score	136
Exons	2134..2192, 3043..3500, 3726..3794		
GI Descrip.	(AP000616) similar to putative DNA-binding protein RAV2 (AC007017) [Oryza sativa] gi|6907116|dbj|BAA90643.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F11F19 genomic sequence, putative DNA-binding protein RAV2. (AC007017) [Oryza sativa]		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	85998	Strand	+
Start	2134	End	3806
Name	OJ991015_18.0315.C8.o2.gs	Method	GENSCAN
Start	3003	End	3806
GI	none	Score	.93
Exons	3003..3806		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	85999	Strand	+
Start	5164	End	7468
Name	OJ991015_18.0315.C8.o2.np	Method	AAT/NAP
Start	5164	End	6960
GI	2281641	Score	79
Exons	5164..5315, 6659..6960		
GI Descrip.	(AF003101) AP2 domain containing protein RAP2.8 [Arabidopsis thaliana]		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	85999	Strand	+
Start	5164	End	7468
Name	OJ991015_18.0315.C8.o3.gs	Method	GENSCAN
Start	6488	End	7468
GI	none	Score	.99
Exons	6488..7468		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86000	Strand	+
Start	8845	End	9155
Name	OJ991015_18.0315.C8.o4.gs	Method	GENSCAN
Start	8845	End	9155
GI	none	Score	.44
Exons	8845..8926, 8953..9155		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86001	Strand	+

Start	11439	End	11832
Name	OJ991015_18.0315.C8.o1.gp	Method	AAT/GAP
Start	11439	End	11832
GI	uC-osrocyp034b07a1	Score	788
Exons	11439..11832		
GI Descrip.	'2191127 1.0e-24 (AF007269) A_IG002N01.1 gene product [Arabidopsis thaliana]'		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86002	Strand	+
Start	17597	End	20808
Name	OJ991015_18.0315.C8.o6.gs	Method	GENSCAN
Start	17597	End	20808
GI	none	Score	.45
Exons	17597..17998, 18154..18646, 20666..20808		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o1.ts	Method	TBLASTX:Soybean
Start	11582	End	11961
GI	none	Score	182
Exons	11582..11848, 11626..11961, 11626..11961		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o2.tm	Method	TBLASTX:Maize
Start	11602	End	11901
GI	none	Score	336
Exons	11602..11901, 11606..11863, 11679..11900		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o1.tc	Method	TBLASTX:Cress
Start	11626	End	14577
GI	none	Score	321
Exons	11626..12258, 11630..12046, 11955..12074, 12152..12247, 14424..14561, 14425..14577, 14464..14562		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o5.gs	Method	GENSCAN
Start	11626	End	16082
GI	none	Score	.85
Exons	11626..12306, 14427..16082		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o3.np	Method	AAT/NAP
Start	11629	End	16014
GI	7267637	Score	2200
Exons	11629..12255, 14427..16014		
GI Descrip.	(AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o1.tm	Method	TBLASTX:Maize
Start	11902	End	15062
GI	none	Score	363
Exons	11902..12258, 11902..12258, 11952..12266, 14424..15062, 14461..14967, 14562..15059		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o3.ts	Method	TBLASTX:Soybean
Start	11962	End	14700
GI	none	Score	127
Exons	11962..12258, 11965..12258, 14424..14699, 14461..14700		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o2.ts	Method	TBLASTX:Soybean
Start	14701	End	15017
GI	none	Score	251
Exons	14701..14967, 14703..15017, 14707..14967		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86003	Strand	-
Start	11626	End	16082
Name	OJ991015_18.0315.C8.o2.tc	Method	TBLASTX:Cress
Start	14727	End	15152
GI	none	Score	185
Exons	14727..15017, 14728..14967, 14730..15008, 15033..15053, 15066..15152		

Seq. No.	41487	Seq. ID	OJ991015_18.0315.C8
Gene No.	86004	Strand	
Start	17672	End	18177
Name	OJ991015_18.0315.C8.o3.tm	Method	TBLASTX:Maize
Start	17672	End	18177
GI	none	Score	241
Exons	17672..17995, 18097..18177		

Seq. No.	41488	Seq. ID	OJ991015_18.0315.C11
Gene No.	86005	Strand	-
Start	332	End	830
Name	OJ991015_18.0315.C11.o1.gs	Method	GENSCAN
Start	332	End	830
GI	none	Score	.41
Exons	332..470, 684..830		

Seq. No.	41489	Seq. ID	OJ991015_18.0315.C12
Gene No.	86006	Strand	-
Start	465	End	662
Name	OJ991015_18.0315.C12.o1.gs	Method	GENSCAN
Start	465	End	662
GI	none	Score	.97

Exons	465..662		
Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86007	Strand	+
Start	113	End	10383
Name	OJ991015_18.0315.C13.o1.gs	Method	GENSCAN
Start	113	End	4510
GI	none	Score	.78
Exons	113..194, 1740..1835, 2046..2171, 3114..3383, 3388..3520, 3527..3781, 3832..4004, 4464..4510		
Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86007	Strand	+
Start	113	End	10383
Name	OJ991015_18.0315.C13.o2.np	Method	AAT/NAP
Start	2151	End	10383
GI	5852179	Score	292
Exons	2151..2172, 3162..3383, 3458..3631, 3678..3844, 10291..10383		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o1.np	Method	AAT/NAP
Start	1901	End	7143
GI	6063554	Score	289
Exons	1901..2074, 2711..2739, 3419..3611, 3955..4072, 7079..7143		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o2.gs	Method	GENSCAN
Start	4662	End	11814
GI	none	Score	.52
Exons	4662..4864, 5468..5728, 5777..5942, 6022..6135, 6337..6759, 6837..7095, 7164..7476, 7812..8307, 8404..8584, 8702..9006, 9151..9625, 9741..10069, 10160..10342, 10793..11239, 11260..11814		
Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o1.ts	Method	TBLASTX:Soybean
Start	4682	End	4921
GI	none	Score	212
Exons	4682..4843, 4683..4916, 4880..4921		
Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o3.np	Method	AAT/NAP
Start	6420	End	10267
GI	7248394	Score	1147
Exons	6420..6442, 8731..9080, 9348..10267		

GI Descrip. (AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)

Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o2.tm	Method	TBLASTX:Maize
Start	8734	End	8895
GI	none	Score	92
Exons	8734..8895, 8734..8895		

Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o1.tw	Method	TBLASTX:Wheat
Start	8812	End	9216
GI	none	Score	224
Exons	8812..9156, 8812..9165, 8841..9167, 9014..9157, 9160..9216, 9170..9211		

Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o1.tm	Method	TBLASTX:Maize
Start	8897	End	9162
GI	none	Score	235
Exons	8897..9157, 8899..9162, 8899..9162		

Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o2.ts	Method	TBLASTX:Soybean
Start	9013	End	9378
GI	none	Score	60
Exons	9013..9147, 9154..9378, 9245..9367		

Seq. No.	41490	Seq. ID	OJ991015_18.0315.C13
Gene No.	86008	Strand	-
Start	1901	End	11814
Name	OJ991015_18.0315.C13.o3.ts	Method	TBLASTX:Soybean
Start	9785	End	10123
GI	none	Score	189
Exons	9785..10123		

Seq. No.	41491	Seq. ID	OJ991015_18.0315.C14
Gene No.	86009	Strand	-
Start	104	End	1711
Name	OJ991015_18.0315.C14.o2.np	Method	AAT/NAP
Start	104	End	1711
GI	7340868	Score	200
Exons	104..130, 1343..1521, 1691..1711		

GI Descrip. (AP001551) hypothetical protein [Oryza sativa]

Seq. No.	41491	Seq. ID	OJ991015_18.0315.C14

Gene No.	86009	Strand	-
Start	104	End	1711
Name	OJ991015_18.0315.C14.o1.np	Method	AAT/NAP
Start	516	End	1271
GI	7248393	Score	435
Exons	516..838, 932..1271		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41491	Seq. ID	OJ991015_18.0315.C14
Gene No.	86009	Strand	-
Start	104	End	1711
Name	OJ991015_18.0315.C14.o1.gs	Method	GENSCAN
Start	780	End	1076
GI	none	Score	.95
Exons	780..1076		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86010	Strand	+
Start	2335	End	2720
Name	OJ990605_43.0317.C1.o2.gp	Method	AAT/GAP
Start	2335	End	2720
GI	none	Score	730
Exons	2335..2720		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86011	Strand	-
Start	673	End	5066
Name	OJ990605_43.0317.C1.o1.gs	Method	GENSCAN
Start	673	End	3764
GI	none	Score	.74
Exons	673..887, 1668..1934, 2053..2076, 2115..2289, 3079..3232, 3332..3553, 3614..3764		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86011	Strand	-
Start	673	End	5066
Name	OJ990605_43.0317.C1.o1.gp	Method	AAT/GAP
Start	1254	End	2245
GI	15559_1.R1084	Score	1289
Exons	1254..1934, 2053..2245		
GI Descrip.	'3297816/emb|CAA19874.1| 4.0e-54 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86011	Strand	-
Start	673	End	5066
Name	OJ990605_43.0317.C1.o1.np	Method	AAT/NAP
Start	1678	End	5066
GI	7485610	Score	353
Exons	1678..1934, 2053..2289, 3079..3135, 5030..5066		
GI Descrip.	hypothetical protein F17I5.110 - Arabidopsis thaliana gi|3297816|emb|CAA19874.1| (AL031032) putative protein [Arabidopsis thaliana] gi|7270341|emb|CAB80109.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86011	Strand	-

Start	673	End	5066
Name	OJ990605_43.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	1708	End	2293
GI	none	Score	49
Exons	1708..1857, 1869..1928, 1873..1929, 2039..2293, 2044..2292		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86011	Strand	-
Start	673	End	5066
Name	OJ990605_43.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	1717	End	2292
GI	none	Score	98
Exons	1717..1857, 1722..1784, 1727..1843, 1855..1926, 1869..1931, 1873..1959, 2039..2290, 2053..2292, 2056..2292		

Seq. No.	41492	Seq. ID	OJ990605_43.0317.C1
Gene No.	86011	Strand	-
Start	673	End	5066
Name	OJ990605_43.0317.C1.o1.tc	Method	TBLASTX:Cress
Start	1798	End	2292
GI	none	Score	49
Exons	1798..1857, 1869..1928, 1873..1929, 2035..2292, 2039..2149		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86012	Strand	+
Start	1115	End	9410
Name	OJ990605_43.0317.C2.o1.np	Method	AAT/NAP
Start	1115	End	8277
GI	7228457	Score	3839
Exons	1115..1481, 1543..3479, 3550..3832, 8232..8277		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86012	Strand	+
Start	1115	End	9410
Name	OJ990605_43.0317.C2.o4.np	Method	AAT/NAP
Start	5971	End	9410
GI	7340881	Score	497
Exons	5971..6056, 6203..6326, 6419..6510, 6558..6854, 8247..8356, 8462..8503, 9337..9410		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86013	Strand	-
Start	2102	End	6321
Name	OJ990605_43.0317.C2.o3.np	Method	AAT/NAP
Start	2102	End	6321
GI	6907089	Score	1577
Exons	2102..2127, 3842..5034, 5138..5395, 6246..6321		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86013	Strand	-
Start	2102	End	6321
Name	OJ990605_43.0317.C2.o2.np	Method	AAT/NAP

Start	4092	End	4412
GI	6063545	Score	213
Exons	4092..4412		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86014	Strand	-
Start	6549	End	10079
Name	OJ990605_43.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	1772	End	2161
GI	none	Score	54
Exons	1772..1816, 1823..1921, 1840..1920, 1888..2127, 1904..2161		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86014	Strand	-
Start	6549	End	10079
Name	OJ990605_43.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	1775	End	2059
GI	none	Score	197
Exons	1775..2047, 1811..2059, 1813..2058		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86014	Strand	-
Start	6549	End	10079
Name	OJ990605_43.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	2899	End	7694
GI	none	Score	404
Exons	2899..3072, 2900..3442, 3094..3354, 3552..3647, 3554..3679, 3556..3678, 7569..7694		

Seq. No.	41493	Seq. ID	OJ990605_43.0317.C2
Gene No.	86014	Strand	-
Start	6549	End	10079
Name	OJ990605_43.0317.C2.o3.gs	Method	GENSCAN
Start	6549	End	10079
GI	none	Score	.71
Exons	6549..6861, 7557..7870, 7949..7995, 8199..8279, 8418..9055, 9072..9262, 9401..9536, 9858..9998, 10018..10079		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86015	Strand	+
Start	345	End	815
Name	OJ990605_43.0317.C3.o1.gs	Method	GENSCAN
Start	345	End	815
GI	none	Score	.75
Exons	345..517, 771..815		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o2.np	Method	AAT/NAP
Start	364	End	3756
GI	3643604	Score	150
Exons	364..425, 3018..3139, 3444..3756		
GI Descrip.	(AC005395) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o1.np	Method	AAT/NAP
Start	1236	End	5245
GI	5523858	Score	78
Exons	1236..1268, 2512..2759, 5138..5245		
GI Descrip.	(AF085167) receptor-like kinase ARK1AS [Hordeum vulgare]		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	2423	End	2841
GI	none	Score	39
Exons	2423..2449, 2518..2556, 2525..2557, 2560..2784, 2561..2755, 2770..2841		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	2518	End	2772
GI	none	Score	109
Exons	2518..2556, 2557..2772, 2563..2760		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	3017	End	3240
GI	none	Score	169
Exons	3017..3136, 3019..3141, 3020..3118, 3079..3138, 3133..3234, 3156..3188, 3165..3236, 3184..3240		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o3.gs	Method	GENSCAN
Start	4671	End	5633
GI	none	Score	.88
Exons	4671..5633		

Seq. No.	41494	Seq. ID	OJ990605_43.0317.C3
Gene No.	86016	Strand	-
Start	364	End	5633
Name	OJ990605_43.0317.C3.o1.gp	Method	AAT/GAP
Start	4963	End	5360
GI	569309	Score	726
Exons	4963..5360		

Seq. No.	41495	Seq. ID	OJ990605_43.0317.C4
Gene No.	86017	Strand	+
Start	1	End	725
Name	OJ990605_43.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	725
GI	2498930	Score	90

Exons	1..21, 460..520, 688..725		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	41495	Seq. ID	OJ990605_43.0317.C4
Gene No.	86017	Strand	+
Start	1	End	725
Name	OJ990605_43.0317.C4.o1.gs	Method	GENSCAN
Start	461	End	520
GI	none	Score	.88
Exons	461..520		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86018	Strand	+
Start	1870	End	20843
Name	OJ990605_43.0317.C5.o1.gp	Method	AAT/GAP
Start	1870	End	13593
GI	4879971	Score	97
Exons	1870..1908, 13534..13593		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86018	Strand	+
Start	1870	End	20843
Name	OJ990605_43.0317.C5.o1.gs	Method	GENSCAN
Start	1932	End	20843
GI	none	Score	.73
Exons	1932..1976, 2945..3526, 4094..4182, 4284..4458, 4580..4756, 4860..4991, 5238..5336, 5885..6001, 6278..6373, 6677..6789, 8107..8526, 8598..8805, 9490..9640, 9913..10050, 10177..10229, 10325..10624, 11175..11281, 11720..11894, 12128..12206, 12884..13084, 13879..13932, 16279..16320, 17351..17412, 18152..19679, 19758..19861, 19944..20193, 20299..20843		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86018	Strand	+
Start	1870	End	20843
Name	OJ990605_43.0317.C5.o1.np	Method	AAT/NAP
Start	2990	End	7540
GI	6319167	Score	1168
Exons	2990..3096, 4284..4458, 4580..4756, 4860..4991, 5238..5336, 5885..6001, 6278..6373, 6677..6789, 7426..7540		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86018	Strand	+
Start	1870	End	20843
Name	OJ990605_43.0317.C5.o3.gp	Method	AAT/GAP
Start	18165	End	18521
GI	none	Score	648
Exons	18165..18521		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86019	Strand	+
Start	23292	End	25760
Name	OJ990605_43.0317.C5.o2.np	Method	AAT/NAP
Start	22950	End	25733

GI 6850899 Score 925
Exons 22950..23044, 23484..24029, 24277..24444, 24720..24926, 25551..25733
GI Descrip. (AL137898) putative protein [Arabidopsis thaliana]

Seq. No. 41496 Seq. ID OJ990605_43.0317.C5
Gene No. 86019 Strand +
Start 23292 End 25760
Name OJ990605_43.0317.C5.o2.gs Method GENSCAN
Start 23292 End 25760
GI none Score .87
Exons 23292..24029, 24277..24444, 25551..25760

Seq. No. 41496 Seq. ID OJ990605_43.0317.C5
Gene No. 86020 Strand +
Start 26705 End 34312
Name OJ990605_43.0317.C5.o3.gs Method GENSCAN
Start 26705 End 34253
GI none Score .82
Exons 26705..26756, 26954..27072, 27240..27404, 27584..27915, 28582..28654, 28982..29181, 29316..29419, 30584..30666, 30866..30889, 31610..33502, 33950..34253

Seq. No. 41496 Seq. ID OJ990605_43.0317.C5
Gene No. 86020 Strand +
Start 26705 End 34312
Name OJ990605_43.0317.C5.o3.np Method AAT/NAP
Start 31619 End 34312
GI 7486120 Score 598
Exons 31619..32009, 32271..33502, 33986..34312
GI Descrip. hypothetical protein F25E4.70 - Arabidopsis thaliana gi|7267845|emb|CAB78188.1| (AL161532) putative protein [Arabidopsis thaliana] gi|7321042|emb|CAB82150.1| (AL050399) putative protein [Arabidopsis thaliana]

Seq. No. 41496 Seq. ID OJ990605_43.0317.C5
Gene No. 86021 Strand -
Start 13784 End 16483
Name OJ990605_43.0317.C5.o1.tm Method TBLASTX:Maize
Start 4037 End 7561
GI none Score 67
Exons 4037..4183, 4078..4182, 4147..4209, 4237..4458, 4281..4457, 4300..4461, 4572..4757, 4578..4757, 4579..4758, 4580..4759, 4856..4993, 4860..4991, 4860..4997, 5217..5339, 5219..5338, 5230..5340, 5235..5339, 5881..6000, 5884..6003, 5885..6001, 6262..6375, 6262..6375, 6263..6376, 6674..6790, 6674..6790, 7423..7536, 7423..7536, 7424..7561

Seq. No. 41496 Seq. ID OJ990605_43.0317.C5
Gene No. 86021 Strand -
Start 13784 End 16483
Name OJ990605_43.0317.C5.o1.ts Method TBLASTX:Soybean
Start 4282 End 6790
GI none Score 208
Exons 4282..4458, 4284..4454, 4302..4460, 4313..4459, 4577..4756, 4578..4757, 4579..4758, 4580..4759, 4853..4993, 4860..4991, 4860..4997, 5211..5330, 5219..5332, 5235..5366, 5884..5997,

5885..6001, 6263..6376, 6277..6393, 6286..6393, 6674..6790, 6674..6790

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86021	Strand	-
Start	13784	End	16483
Name	OJ990605_43.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	4299	End	5321
GI	none	Score	210
Exons	4299..4469, 4300..4470, 4583..4759, 4588..4758, 4853..4993, 4860..4991, 5235..5321		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86021	Strand	-
Start	13784	End	16483
Name	OJ990605_43.0317.C5.o2.gp	Method	AAT/GAP
Start	13784	End	16483
GI	none	Score	541
Exons	13784..13816, 16134..16343, 16433..16483		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86022	Strand	
Start	18143	End	18697
Name	OJ990605_43.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	18143	End	18697
GI	none	Score	82
Exons	18143..18208, 18152..18232, 18153..18230, 18232..18306, 18233..18328, 18249..18311, 18350..18463, 18470..18592, 18614..18697		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86023	Strand	
Start	18838	End	19275
Name	OJ990605_43.0317.C5.o9.tm	Method	TBLASTX:Maize
Start	18838	End	19275
GI	none	Score	209
Exons	18838..19038, 18839..19159, 18932..19117, 19020..19124, 19129..19242, 19157..19213, 19243..19275		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86024	Strand	
Start	19277	End	19549
Name	OJ990605_43.0317.C5.o10.tm	Method	TBLASTX:Maize
Start	19277	End	19549
GI	none	Score	38
Exons	19277..19318, 19307..19396, 19319..19399, 19388..19549, 19394..19525		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86025	Strand	
Start	19934	End	20822
Name	OJ990605_43.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	19934	End	20822
GI	none	Score	71
Exons	19934..20149, 19941..20150, 19967..20155, 20154..20258, 20298..20498, 20301..20519, 20486..20662, 20492..20656, 20499..20681, 20679..20798, 20694..20822		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86025	Strand	
Start	19934	End	20822
Name	OJ990605_43.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	20364	End	20663
GI	none	Score	154
Exons	20364..20495, 20367..20495, 20389..20496, 20488..20643, 20496..20663, 20496..20660		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86026	Strand	
Start	23577	End	24450
Name	OJ990605_43.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	23577	End	23927
GI	none	Score	116
Exons	23577..23786, 23805..23927, 23831..23902		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86026	Strand	
Start	23577	End	24450
Name	OJ990605_43.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	23805	End	24450
GI	none	Score	165
Exons	23805..23927, 23825..23902, 24250..24450, 24294..24437		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86026	Strand	
Start	23577	End	24450
Name	OJ990605_43.0317.C5.o6.tm	Method	TBLASTX:Maize
Start	23811	End	24446
GI	none	Score	184
Exons	23811..23975, 23831..23908, 24250..24444, 24276..24446		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86027	Strand	
Start	24719	End	24863
Name	OJ990605_43.0317.C5.o7.tm	Method	TBLASTX:Maize
Start	24719	End	24863
GI	none	Score	135
Exons	24719..24859, 24719..24862, 24723..24863		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86028	Strand	
Start	24865	End	25766
Name	OJ990605_43.0317.C5.o8.tm	Method	TBLASTX:Maize
Start	24865	End	25766
GI	none	Score	108
Exons	24865..24927, 24866..24928, 24867..24935, 25529..25678, 25548..25706, 25550..25705, 25689..25766, 25713..25763		

Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86029	Strand	
Start	32603	End	33013
Name	OJ990605_43.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	32603	End	33013
GI	none	Score	443

Exons	32603..33004, 32621..33013, 32677..33009		
Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86030	Strand	
Start	33116	End	33379
Name	OJ990605_43.0317.C5.o5.tm	Method	TBLASTX:Maize
Start	33116	End	33379
GI	none	Score	307
Exons	33116..33379, 33116..33349, 33118..33378		
Seq. No.	41496	Seq. ID	OJ990605_43.0317.C5
Gene No.	86031	Strand	
Start	33286	End	33433
Name	OJ990605_43.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	33286	End	33433
GI	none	Score	203
Exons	33286..33432, 33287..33433		
Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86032	Strand	+
Start	1	End	4367
Name	OJ990605_43.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	3137
GI	7484932	Score	62
Exons	1..40, 2338..2471, 2992..3137		
GI Descrip.	DNA-binding protein homolog F4I18.17 - Arabidopsis thaliana gi|3386609|gb|AAC28539.1| (AC004665) putative AT-hook DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86032	Strand	+
Start	1	End	4367
Name	OJ990605_43.0317.C6.o1.gs	Method	GENSCAN
Start	986	End	4367
GI	none	Score	.62
Exons	986..1023, 1361..1568, 2992..3135, 3240..3408, 4243..4367		
Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86033	Strand	-
Start	6668	End	8169
Name	OJ990605_43.0317.C6.o2.gs	Method	GENSCAN
Start	6668	End	8086
GI	none	Score	.98
Exons	6668..7608, 7693..8086		
Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86033	Strand	-
Start	6668	End	8169
Name	OJ990605_43.0317.C6.o2.np	Method	AAT/NAP
Start	6668	End	8086
GI	5668667	Score	2242
Exons	6668..7616, 7693..8086		
GI Descrip.	(D63136) Beta-tubulin [Zinnia elegans]		
Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86033	Strand	-
Start	6668	End	8169

Name	OJ990605_43.0317.C6.o1.gp	Method	AAT/GAP
Start	7764	End	8169
GI	220_10.R1084	Score	763
Exons	7764..8169		
GI Descrip.	'135449/sp|P18025|TBB1_MAIZE 1.0e-51 TUBULIN BETA-1 CHAIN >gi_100932_pir__S14701 tubulin beta-1 chain - maize >gi_295851_emb_CAA37060_ (X52878) beta 1 tubulin [Zea mays]'		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86034	Strand	-
Start	10876	End	11411
Name	OJ990605_43.0317.C6.o2.gp	Method	AAT/GAP
Start	10876	End	11411
GI	2798243	Score	1034
Exons	10876..11411		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	6734	End	8086
GI	none	Score	895
Exons	6734..7588, 6735..7385, 7446..7589, 7594..7617, 7685..7939, 7691..8080, 7767..8075, 8012..8086		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	6734	End	8086
GI	none	Score	1174
Exons	6734..7588, 6735..7589, 7594..7617, 7598..7648, 7676..7807, 7691..8080, 7767..7949, 7989..8075, 8012..8086		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o3.tw	Method	TBLASTX:Wheat
Start	6734	End	6941
GI	none	Score	328
Exons	6734..6940, 6735..6941		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	6734	End	8086
GI	none	Score	363
Exons	6734..6988, 6735..6992, 6989..7552, 6990..7571, 7544..7588, 7545..7589, 7594..7617, 7595..7636, 7685..7807, 7691..7828, 7767..7829, 7826..7966, 7827..7946, 7955..8080, 7989..8069, 8012..8086		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o2.tw	Method	TBLASTX:Wheat

Start	7046	End	7322
GI	none	Score	401
Exons	7046..7321, 7050..7322		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	7382	End	8086
GI	none	Score	46
Exons	7382..7417, 7382..7588, 7443..7589, 7594..7617, 7598..7648, 7691..8080, 7767..8075, 8015..8086		

Seq. No.	41497	Seq. ID	OJ990605_43.0317.C6
Gene No.	86035	Strand	-
Start	11576	End	12151
Name	OJ990605_43.0317.C6.o3.gp	Method	AAT/GAP
Start	11576	End	12151
GI	none	Score	1082
Exons	11576..12151		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86036	Strand	+
Start	1	End	595
Name	OJ990605_43.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	535
GI	6006372	Score	144
Exons	1..160, 391..535		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86036	Strand	+
Start	1	End	595
Name	OJ990605_43.0317.C7.o1.gs	Method	GENSCAN
Start	77	End	595
GI	none	Score	.87
Exons	77..595		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86037	Strand	+
Start	4328	End	6266
Name	OJ990605_43.0317.C7.o2.np	Method	AAT/NAP
Start	4328	End	6266
GI	5042463	Score	200
Exons	4328..4730, 6238..6266		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86038	Strand	+
Start	12036	End	18036
Name	OJ990605_43.0317.C7.o4.np	Method	AAT/NAP
Start	12036	End	16091
GI	5852179	Score	372
Exons	12036..12056, 13045..13275, 13350..13535, 16074..16091		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7

Gene No.	86038	Strand	+
Start	12036	End	18036
Name	OJ990605_43.0317.C7.o6.gs	Method	GENSCAN
Start	15967	End	18036
GI	none	Score	.44
Exons	15967..15978, 17462..17620, 17746..18036		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86039	Strand	+
Start	24732	End	26230
Name	OJ990605_43.0317.C7.o8.gs	Method	GENSCAN
Start	24732	End	26230
GI	none	Score	.74
Exons	24732..25454, 26087..26230		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86040	Strand	+
Start	26835	End	26912
Name	OJ990605_43.0317.C7.o9.gs	Method	GENSCAN
Start	26835	End	26912
GI	none	Score	.92
Exons	26835..26912		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o3.np	Method	AAT/NAP
Start	1679	End	23006
GI	7484961	Score	225
Exons	1679..1725, 5349..5473, 6234..6589, 7410..7541, 13356..13695, 21118..21306, 22945..23006		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein [Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o2.gs	Method	GENSCAN
Start	3493	End	3879
GI	none	Score	.54
Exons	3493..3640, 3755..3879		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o1.gp	Method	AAT/GAP
Start	8664	End	9200
GI	none	Score	962
Exons	8664..9200		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	9050	End	9319

GI	none	Score	159
Exons	9050..9199, 9052..9207, 9063..9200, 9227..9319		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o2.gp	Method	AAT/GAP
Start	12394	End	13132
GI	101153_1.R1084	Score	401
Exons	12394..12645, 13093..13132		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o5.np	Method	AAT/NAP
Start	13059	End	27017
GI	7484961	Score	243
Exons	13059..13246, 13335..13687, 14918..15017, 21118..21261, 26820..27017		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein [Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o3.gp	Method	AAT/GAP
Start	18702	End	20998
GI	none	Score	1367
Exons	18702..19174, 20665..20780, 20873..20998		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o7.gs	Method	GENSCAN
Start	20902	End	23247
GI	none	Score	.45
Exons	20902..21044, 22493..22545, 22813..22960, 23091..23247		

Seq. No.	41498	Seq. ID	OJ990605_43.0317.C7
Gene No.	86041	Strand	-
Start	1679	End	27017
Name	OJ990605_43.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	22311	End	22736
GI	none	Score	59
Exons	22311..22385, 22316..22384, 22490..22534, 22506..22532, 22626..22724, 22629..22736, 22636..22728		

Seq. No.	41499	Seq. ID	OJ990525_11.0310.C20
Gene No.	86042	Strand	
Start	45	End	593
Name	OJ990525_11.0310.C20.o1.ts	Method	TBLASTX:Soybean
Start	45	End	593
GI	none	Score	110

Exons	45..137, 48..128, 336..434, 344..433, 516..593, 527..592		
Seq. No.	41500	Seq. ID	OJ990525_11.0310.C41
Gene No.	86043	Strand	-
Start	1055	End	1977
Name	OJ990525_11.0310.C41.o1.gp	Method	AAT/GAP
Start	1055	End	1977
GI	85912_1.R1084	Score	761
Exons	1055..1425, 1923..1977		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		
Seq. No.	41501	Seq. ID	OJ990525_11.0310.C45
Gene No.	86044	Strand	
Start	27	End	221
Name	OJ990525_11.0310.C45.o1.tm	Method	TBLASTX:Maize
Start	27	End	221
GI	none	Score	138
Exons	27..143, 28..144, 140..220, 141..221		
Seq. No.	41502	Seq. ID	OJ990525_11.0310.C52
Gene No.	86045	Strand	
Start	604	End	1014
Name	OJ990525_11.0310.C52.o1.tc	Method	TBLASTX:Cress
Start	604	End	1014
GI	none	Score	147
Exons	604..798, 609..800, 952..1014		
Seq. No.	41502	Seq. ID	OJ990525_11.0310.C52
Gene No.	86045	Strand	
Start	604	End	1014
Name	OJ990525_11.0310.C52.o1.ts	Method	TBLASTX:Soybean
Start	672	End	1014
GI	none	Score	127
Exons	672..800, 673..798, 952..1014		
Seq. No.	41503	Seq. ID	OJ990525_11.0310.C60
Gene No.	86046	Strand	
Start	358	End	1109
Name	OJ990525_11.0310.C60.o1.tm	Method	TBLASTX:Maize
Start	358	End	1109
GI	none	Score	94
Exons	358..456, 359..451, 548..664, 550..636, 551..637, 722..802, 723..791, 777..830, 779..832, 1049..1105, 1050..1109		
Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.gp	Method	AAT/GAP
Start	1	End	781
GI	uC-osflcyp170a10b1	Score	634
Exons	1..35, 260..333, 422..559, 666..781		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 5.0e-52 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		
Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1

Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.np	Method	AAT/NAP
Start	1	End	2274
GI	6692731	Score	1535
Exons	1..35, 260..333, 422..559, 666..821, 1193..1342, 1515..1574, 1664..1791, 1875..2274		
GI Descrip.	(AC012679) putative MAP kinase [Arabidopsis thaliana]		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	211	End	2274
GI	none	Score	68
Exons	211..333, 260..358, 419..562, 501..560, 666..815, 666..824, 667..822, 1190..1345, 1206..1355, 1515..1574, 1516..1575, 1519..1575, 1660..1794, 1662..1793, 1663..1794, 1664..1795, 1664..1804, 1861..2274, 1883..2170, 2234..2269		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o2.ts	Method	TBLASTX:Soybean
Start	223	End	1345
GI	none	Score	70
Exons	223..333, 414..560, 419..562, 666..824, 667..819, 1090..1143, 1165..1332, 1190..1345, 1206..1343, 1211..1345		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o2.tc	Method	TBLASTX:Cress
Start	286	End	551
GI	none	Score	38
Exons	286..324, 292..333, 414..551, 419..550		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.gs	Method	GENSCAN
Start	666	End	3365
GI	none	Score	.84
Exons	666..821, 1193..1342, 1515..1574, 1664..1791, 1875..2274, 3190..3365		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	669	End	2275
GI	none	Score	104
Exons	669..818, 669..824, 1190..1342, 1194..1340, 1214..1348, 1215..1355, 1518..1574, 1519..1575, 1662..1811, 1664..1768, 1665..1784, 1766..1816, 1871..2170, 1871..2164, 1873..2274, 1900..2268, 2192..2275, 2234..2275		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	1521	End	2275
GI	none	Score	74
Exons	1521..1574, 1522..1575, 1662..1793, 1664..1804, 1666..1794, 1667..1795, 1829..2170, 1861..2268, 1861..2274, 2234..2275		

Seq. No.	41504	Seq. ID	OJ990825_16.0303.C1
Gene No.	86047	Strand	-
Start	1	End	3365
Name	OJ990825_16.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	1697	End	2217
GI	none	Score	82
Exons	1697..1804, 1704..1793, 1835..2170, 1861..2217, 1861..2217		

Seq. No.	41505	Seq. ID	OJ990825_16.0303.C2
Gene No.	86048	Strand	+
Start	2571	End	3751
Name	OJ990825_16.0303.C2.o1.gs	Method	GENSCAN
Start	2571	End	3751
GI	none	Score	.55
Exons	2571..3108, 3552..3751		

Seq. No.	41505	Seq. ID	OJ990825_16.0303.C2
Gene No.	86048	Strand	+
Start	2571	End	3751
Name	OJ990825_16.0303.C2.o1.np	Method	AAT/NAP
Start	2580	End	3101
GI	3643595	Score	249
Exons	2580..3101		
GI Descrip.	(AC005395) putative oleosin protein [Arabidopsis thaliana]		

Seq. No.	41505	Seq. ID	OJ990825_16.0303.C2
Gene No.	86048	Strand	+
Start	2571	End	3751
Name	OJ990825_16.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	2690	End	3062
GI	none	Score	88
Exons	2690..3061, 2691..2747, 2823..2870, 2949..3062		

Seq. No.	41505	Seq. ID	OJ990825_16.0303.C2
Gene No.	86048	Strand	+
Start	2571	End	3751
Name	OJ990825_16.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	2835	End	3071
GI	none	Score	49
Exons	2835..2870, 2949..3071, 2951..3070		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86049	Strand	+
Start	4203	End	4553
Name	OJ990825_16.0303.C4.o1.gp	Method	AAT/GAP
Start	4203	End	4553
GI	none	Score	670
Exons	4203..4553		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86050	Strand	+
Start	6353	End	8970
Name	OJ990825_16.0303.C4.o1.np	Method	AAT/NAP
Start	6353	End	8967
GI	6862941	Score	383
Exons	6353..6749, 6838..7011, 8043..8190, 8728..8967		
GI Descrip.	(AC019018) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86050	Strand	+
Start	6353	End	8970
Name	OJ990825_16.0303.C4.o2.gs	Method	GENSCAN
Start	6353	End	8970
GI	none	Score	.65
Exons	6353..6749, 6909..7003, 7186..7458, 7475..7651, 7752..7868, 8059..8190, 8728..8772, 8836..8970		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86051	Strand	+
Start	9687	End	10017
Name	OJ990825_16.0303.C4.o3.gs	Method	GENSCAN
Start	9687	End	10017
GI	none	Score	.65
Exons	9687..9752, 9774..9919, 9987..10017		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86052	Strand	+
Start	14188	End	14658
Name	OJ990825_16.0303.C4.o5.gs	Method	GENSCAN
Start	14188	End	14637
GI	none	Score	.4
Exons	14188..14637		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86052	Strand	+
Start	14188	End	14658
Name	OJ990825_16.0303.C4.o4.np	Method	AAT/NAP
Start	14537	End	14658
GI	5777617	Score	102
Exons	14537..14658		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86053	Strand	+
Start	15963	End	16057
Name	OJ990825_16.0303.C4.o3.gp	Method	AAT/GAP
Start	15963	End	16057
GI	5867_1.R1084	Score	143
Exons	15963..16057		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639)		

ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86054	Strand	-
Start	7665	End	8047
Name	OJ990825_16.0303.C4.o2.gp	Method	AAT/GAP
Start	7665	End	8047
GI	uC-osroM202018e03b1	Score	728
Exons	7665..8047		
GI Descrip.	'3218542/dbj|AB004813|AB004813 8.0e-09 Oryza sativa AOX1b and AOX1a genes, complete cds'		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86055	Strand	-
Start	10797	End	11960
Name	OJ990825_16.0303.C4.o2.np	Method	AAT/NAP
Start	10765	End	11783
GI	6715737	Score	428
Exons	10765..11101, 11226..11783		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86055	Strand	-
Start	10797	End	11960
Name	OJ990825_16.0303.C4.o4.gs	Method	GENSCAN
Start	10797	End	11960
GI	none	Score	.91
Exons	10797..11213, 11271..11960		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86056	Strand	-
Start	16445	End	18061
Name	OJ990825_16.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	6881	End	8181
GI	none	Score	166
Exons	6881..7027, 6896..7057, 8038..8181, 8053..8133, 8055..8180		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86056	Strand	-
Start	16445	End	18061
Name	OJ990825_16.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	10813	End	11043
GI	none	Score	324
Exons	10813..11043, 10815..11042		

Seq. No.	41506	Seq. ID	OJ990825_16.0303.C4
Gene No.	86056	Strand	-
Start	16445	End	18061
Name	OJ990825_16.0303.C4.o6.gs	Method	GENSCAN
Start	16445	End	18061
GI	none	Score	.43
Exons	16445..16531, 16622..16641, 17255..17352, 17564..18061		

Seq. No.	41507	Seq. ID	OJ990825_16.0303.C5
Gene No.	86057	Strand	+
Start	142	End	1182
Name	OJ990825_16.0303.C5.o1.gs	Method	GENSCAN

Start	142	End	1182
GI	none	Score	.91
Exons	142..1182		

Seq. No.	41507	Seq. ID	OJ990825_16.0303.C5
Gene No.	86058	Strand	-
Start	1447	End	3525
Name	OJ990825_16.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	469	End	837
GI	none	Score	319
Exons	469..837, 501..791		

Seq. No.	41507	Seq. ID	OJ990825_16.0303.C5
Gene No.	86058	Strand	-
Start	1447	End	3525
Name	OJ990825_16.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	490	End	879
GI	none	Score	183
Exons	490..879		

Seq. No.	41507	Seq. ID	OJ990825_16.0303.C5
Gene No.	86058	Strand	-
Start	1447	End	3525
Name	OJ990825_16.0303.C5.o2.gs	Method	GENSCAN
Start	1447	End	3525
GI	none	Score	.41
Exons	1447..1555, 2860..3030, 3113..3525		

Seq. No.	41507	Seq. ID	OJ990825_16.0303.C5
Gene No.	86058	Strand	-
Start	1447	End	3525
Name	OJ990825_16.0303.C5.o1.gp	Method	AAT/GAP
Start	2184	End	2704
GI	LIB3431-001-P1-N1-B5	Score	762
Exons	2184..2416, 2522..2704		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	41508	Seq. ID	OJ990825_16.0303.C8
Gene No.	86059	Strand	-
Start	2711	End	3154
Name	OJ990825_16.0303.C8.o1.gp	Method	AAT/GAP
Start	2711	End	3154
GI	none	Score	864
Exons	2711..3154		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86060	Strand	+
Start	297	End	3246
Name	OJ990825_16.0303.C9.o1.gs	Method	GENSCAN
Start	297	End	3246
GI	none	Score	.79
Exons	297..407, 511..764, 2266..2411, 2778..2942, 2973..3246		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86060	Strand	+
Start	297	End	3246

Name	OJ990825_16.0303.C9.o1.np	Method	AAT/NAP
Start	2332	End	3244
GI	1170408	Score	134
Exons	2332..2411, 2973..3244		
GI Descrip.	HOMEOBOX-LEUCINE ZIPPER PROTEIN HAT14 (HD-ZIP PROTEIN 14) gi|549885 (U09334) homeobox protein [Arabidopsis thaliana]		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86061	Strand	+
Start	8287	End	8900
Name	OJ990825_16.0303.C9.o1.gp	Method	AAT/GAP
Start	8287	End	8900
GI	none	Score	972
Exons	8287..8771, 8876..8900		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86062	Strand	+
Start	12370	End	12686
Name	OJ990825_16.0303.C9.o2.gp	Method	AAT/GAP
Start	12370	End	12686
GI	none	Score	583
Exons	12370..12686		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86063	Strand	+
Start	22784	End	26868
Name	OJ990825_16.0303.C9.o3.gs	Method	GENSCAN
Start	22784	End	26868
GI	none	Score	.66
Exons	22784..22834, 23163..23260, 23296..23441, 24246..24523, 25719..25842, 26310..26348, 26636..26868		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86063	Strand	+
Start	22784	End	26868
Name	OJ990825_16.0303.C9.o4.gp	Method	AAT/GAP
Start	23660	End	23849
GI	5667165	Score	338
Exons	23660..23849		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86063	Strand	+
Start	22784	End	26868
Name	OJ990825_16.0303.C9.o4.np	Method	AAT/NAP
Start	23933	End	25595
GI	6907086	Score	1133
Exons	23933..24696, 24760..24931, 25156..25595		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86064	Strand	-
Start	4587	End	6816
Name	OJ990825_16.0303.C9.o2.np	Method	AAT/NAP
Start	4587	End	6816
GI	7489524	Score	1235

Exons	4587..4650, 4752..4828, 4936..5093, 5178..5263, 5374..5521, 5553..6816		
GI Descrip.	probable auxin transport protein - rice gi|3377509|gb|AAC39514.1| (AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86065	Strand	-
Start	16116	End	22052
Name	OJ990825_16.0303.C9.o3.gp	Method	AAT/GAP
Start	16116	End	17919
GI	uC-osflM202058g11a1	Score	954
Exons	16116..16372, 16477..16567, 17641..17781, 17886..17919		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86065	Strand	-
Start	16116	End	22052
Name	OJ990825_16.0303.C9.o3.np	Method	AAT/NAP
Start	16214	End	22052
GI	6957704	Score	865
Exons	16214..16372, 16477..16567, 17641..17781, 17886..17951, 18506..18643, 19085..19186, 19327..19401, 19482..19562, 20361..20452, 21888..22052		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86066	Strand	-
Start	27110	End	27681
Name	OJ990825_16.0303.C9.o4.gs	Method	GENSCAN
Start	27110	End	27622
GI	none	Score	.98
Exons	27110..27622		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86066	Strand	-
Start	27110	End	27681
Name	OJ990825_16.0303.C9.o5.np	Method	AAT/NAP
Start	27116	End	27616
GI	6728961	Score	388
Exons	27116..27616		
GI Descrip.	(AC018363) putative calmodulin [Arabidopsis thaliana]		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86066	Strand	-
Start	27110	End	27681
Name	OJ990825_16.0303.C9.o5.gp	Method	AAT/GAP
Start	27465	End	27681
GI	2311836	Score	410
Exons	27465..27681		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o1.tc	Method	TBLASTX:Cress
Start	4587	End	6837

GI	none	Score	49
Exons	4587..4649, 4588..4650, 4754..4828, 4755..4832, 4928..5107, 4930..5103, 5161..5265, 5168..5272, 5347..5487, 5373..5486, 5376..5489, 5944..6012, 6046..6126, 6235..6495, 6242..6505, 6532..6837, 6560..6802		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o2.tm	Method	TBLASTX:Maize
Start	4587	End	5462
GI	none	Score	62
Exons	4587..4649, 4588..4653, 4736..4816, 4751..4828, 4755..4829, 4930..5103, 4940..5095, 5161..5265, 5168..5257, 5181..5267, 5182..5265, 5359..5457, 5373..5456, 5373..5462		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o2.ts	Method	TBLASTX:Soybean
Start	4587	End	5487
GI	none	Score	75
Exons	4587..4649, 4754..4828, 4755..4832, 4928..5095, 4930..5103, 5161..5265, 5168..5272, 5359..5487, 5373..5486		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o2.tw	Method	TBLASTX:Wheat
Start	4751	End	5462
GI	none	Score	74
Exons	4751..4828, 4930..5103, 5170..5265, 5373..5462		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o3.tm	Method	TBLASTX:Maize
Start	5910	End	27454
GI	none	Score	64
Exons	5910..5993, 27096..27344, 27113..27343, 27362..27454, 27386..27451		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o8.tm	Method	TBLASTX:Maize
Start	6245	End	6498
GI	none	Score	223
Exons	6245..6496, 6247..6498		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o4.ts	Method	TBLASTX:Soybean
Start	6362	End	6813
GI	none	Score	72
Exons	6362..6496, 6364..6495, 6554..6790, 6580..6813		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o4.tm	Method	TBLASTX:Maize
Start	6551	End	6837
GI	none	Score	307
Exons	6551..6817, 6580..6828, 6799..6837		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o3.ts	Method	TBLASTX:Soybean
Start	12723	End	13130
GI	none	Score	98
Exons	12723..12743, 12780..12872, 12787..12900, 12853..13029, 12864..13028, 13075..13128, 13080..13130		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o5.tm	Method	TBLASTX:Maize
Start	12723	End	13008
GI	none	Score	134
Exons	12723..12743, 12780..12881, 12787..12876, 12871..13008, 12882..13007		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o4.tc	Method	TBLASTX:Cress
Start	12888	End	13256
GI	none	Score	53
Exons	12888..12956, 12889..12960, 12942..13034, 12961..13035, 13080..13256		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o9.tm	Method	TBLASTX:Maize
Start	13230	End	13605
GI	none	Score	51
Exons	13230..13274, 13230..13277, 13261..13326, 13392..13445, 13393..13449, 13497..13565, 13498..13605, 13569..13604		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o7.tm	Method	TBLASTX:Maize
Start	16202	End	16601
GI	none	Score	204
Exons	16202..16444, 16207..16374, 16214..16402, 16473..16601, 16476..16565, 16477..16590		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233

Name	OJ990825_16.0303.C9.o6.tm	Method	TBLASTX:Maize
Start	17641	End	19692
GI	none	Score	160
Exons	17641..17787, 17643..17783, 17646..17789, 17886..17951, 17887..17952, 17888..17950, 18495..18638, 18499..18633, 18499..18645, 18503..18646, 19066..19188, 19088..19198, 19088..19210, 19155..19208, 19326..19409, 19329..19403, 19479..19562, 19481..19564, 19482..19568, 19636..19668, 19648..19692		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o5.tc	Method	TBLASTX:Cress
Start	17739	End	19394
GI	none	Score	43
Exons	17739..17783, 17740..17790, 17886..17951, 17888..17950, 18499..18645, 18503..18646, 19066..19188, 19088..19189, 19097..19192, 19326..19394		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o6.ts	Method	TBLASTX:Soybean
Start	19153	End	20452
GI	none	Score	55
Exons	19153..19188, 19326..19409, 19327..19368, 19475..19567, 19479..19568, 19481..19564, 19626..19739, 19648..19716, 20360..20452		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o3.tc	Method	TBLASTX:Cress
Start	27128	End	27613
GI	none	Score	96
Exons	27128..27334, 27146..27337, 27371..27613		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o5.ts	Method	TBLASTX:Soybean
Start	27128	End	27595
GI	none	Score	97
Exons	27128..27382, 27146..27337, 27371..27595		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o3.tw	Method	TBLASTX:Wheat
Start	27128	End	27583
GI	none	Score	92
Exons	27128..27334, 27146..27337, 27221..27337, 27371..27583		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233

Name	OJ990825_16.0303.C9.o5.gs	Method	GENSCAN
Start	29061	End	31271
GI	none	Score	.77
Exons	29061..29079, 29365..29458, 29511..29649, 29740..29874, 30105..30279, 30430..30626, 31150..31271		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	29434	End	31290
GI	none	Score	307
Exons	29434..29649, 29435..29653, 29561..29650, 29562..29654, 29740..29871, 29741..29872, 29741..29875, 30105..30278, 30106..30270, 30418..30627, 30430..30603, 30432..30629, 31144..31290, 31154..31273, 31159..31284		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o1.ts	Method	TBLASTX:Soybean
Start	29435	End	30479
GI	none	Score	225
Exons	29435..29650, 29440..29466, 29473..29649, 29581..29652, 29675..29875, 29739..29876, 29740..29877, 29744..29875, 29745..29876, 30097..30276, 30102..30278, 30103..30270, 30105..30281, 30432..30479		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o6.np	Method	AAT/NAP
Start	29443	End	32233
GI	6016708	Score	1176
Exons	29443..29649, 29740..29874, 30105..30279, 30430..30626, 31150..31271, 32213..32233		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o2.tc	Method	TBLASTX:Cress
Start	29458	End	31273
GI	none	Score	174
Exons	29458..29649, 29459..29650, 29740..29877, 29747..29875, 30097..30270, 30102..30278, 30430..30576, 30432..30575, 31144..31272, 31154..31273		

Seq. No.	41509	Seq. ID	OJ990825_16.0303.C9
Gene No.	86067	Strand	-
Start	29061	End	32233
Name	OJ990825_16.0303.C9.o1.tw	Method	TBLASTX:Wheat
Start	29494	End	30560
GI	none	Score	118
Exons	29494..29646, 29495..29641, 29743..29877, 29795..29875, 30097..30258, 30102..30278, 30430..30549, 30432..30560		

Seq. No.	41510	Seq. ID	OJ990825_16.0303.C10
Gene No.	86068	Strand	+
Start	6	End	2050
Name	OJ990825_16.0303.C10.o1.gs	Method	GENSCAN
Start	6	End	2050
GI	none	Score	.78
Exons	6..169, 1483..1564, 1604..1741, 1988..2050		

Seq. No.	41510	Seq. ID	OJ990825_16.0303.C10
Gene No.	86069	Strand	+
Start	4058	End	4511
Name	OJ990825_16.0303.C10.o1.gp	Method	AAT/GAP
Start	4058	End	4511
GI	none	Score	770
Exons	4058..4511		

Seq. No.	41510	Seq. ID	OJ990825_16.0303.C10
Gene No.	86070	Strand	-
Start	1	End	152
Name	OJ990825_16.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	152
GI	6016708	Score	128
Exons	1..152		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41510	Seq. ID	OJ990825_16.0303.C10
Gene No.	86071	Strand	-
Start	4362	End	6457
Name	OJ990825_16.0303.C10.o2.gs	Method	GENSCAN
Start	4362	End	6457
GI	none	Score	.7
Exons	4362..4446, 4716..4788, 5331..5412, 5829..5919, 5991..6067, 6440..6457		

Seq. No.	41510	Seq. ID	OJ990825_16.0303.C10
Gene No.	86071	Strand	-
Start	4362	End	6457
Name	OJ990825_16.0303.C10.o2.gp	Method	AAT/GAP
Start	4398	End	5901
GI	287066	Score	739
Exons	4398..4585, 4716..4788, 5331..5412, 5829..5901		

Seq. No.	41511	Seq. ID	OJ990825_16.0303.C11
Gene No.	86072	Strand	-
Start	1081	End	1787
Name	OJ990825_16.0303.C11.o1.gs	Method	GENSCAN
Start	1081	End	1787
GI	none	Score	.6
Exons	1081..1090, 1734..1787		

Seq. No.	41511	Seq. ID	OJ990825_16.0303.C11
Gene No.	86073	Strand	-
Start	1883	End	1946
Name	OJ990825_16.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	1552	End	1946
GI	none	Score	95
Exons	1552..1629, 1553..1627, 1728..1787, 1733..1804, 1734..1790,		

1866..1946, 1870..1944, 1871..1945

Seq. No.	41511	Seq. ID	OJ990825_16.0303.C11
Gene No.	86073	Strand	-
Start	1883	End	1946
Name	OJ990825_16.0303.C11.o1.gp	Method	AAT/GAP
Start	1883	End	1945
GI	426359	Score	106
Exons	1883..1945		

Seq. No.	41512	Seq. ID	OJ990825_16.0303.C12
Gene No.	86074	Strand	-
Start	488	End	3344
Name	OJ990825_16.0303.C12.o1.gp	Method	AAT/GAP
Start	488	End	620
GI	426359	Score	219
Exons	488..620		

Seq. No.	41512	Seq. ID	OJ990825_16.0303.C12
Gene No.	86074	Strand	-
Start	488	End	3344
Name	OJ990825_16.0303.C12.o1.gs	Method	GENSCAN
Start	489	End	3344
GI	none	Score	.87
Exons	489..669, 1931..2003, 2452..2533, 3104..3194, 3271..3344		

Seq. No.	41512	Seq. ID	OJ990825_16.0303.C12
Gene No.	86074	Strand	-
Start	488	End	3344
Name	OJ990825_16.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	1656	End	1981
GI	none	Score	84
Exons	1656..1850, 1660..1851, 1927..1980, 1931..1981		

Seq. No.	41513	Seq. ID	OJ990825_16.0303.C13
Gene No.	86075	Strand	+
Start	1032	End	6806
Name	OJ990825_16.0303.C13.o1.gs	Method	GENSCAN
Start	1032	End	6806
GI	none	Score	.43
Exons	1032..1120, 2301..2419, 2565..2644, 2696..2788, 2903..2948, 3129..3160, 3271..3313, 3398..3465, 4198..4266, 4459..4627, 5436..5498, 6258..6265, 6723..6806		

Seq. No.	41513	Seq. ID	OJ990825_16.0303.C13
Gene No.	86075	Strand	+
Start	1032	End	6806
Name	OJ990825_16.0303.C13.o1.np	Method	AAT/NAP
Start	1823	End	4706
GI	4126964	Score	63
Exons	1823..1889, 2643..2780, 4681..4706		
GI Descrip.	(AB017545) peroxisomal membrane anchor protein [Cricetulus longicaudatus]		

Seq. No.	41513	Seq. ID	OJ990825_16.0303.C13
Gene No.	86075	Strand	+
Start	1032	End	6806

Name	OJ990825_16.0303.C13.o1.gp	Method	AAT/GAP
Start	2344	End	2737
GI	5002932	Score	466
Exons	2344..2419, 2565..2737		

Seq. No.	41513	Seq. ID	OJ990825_16.0303.C13
Gene No.	86076	Strand	-
Start	4087	End	4955
Name	OJ990825_16.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	2447	End	2961
GI	none	Score	150
Exons	2447..2491, 2615..2770, 2615..2785, 2658..2786, 2885..2953, 2899..2961, 2902..2961		

Seq. No.	41513	Seq. ID	OJ990825_16.0303.C13
Gene No.	86076	Strand	-
Start	4087	End	4955
Name	OJ990825_16.0303.C13.o2.gp	Method	AAT/GAP
Start	4087	End	4955
GI	none	Score	1277
Exons	4087..4263, 4455..4955		

Seq. No.	41514	Seq. ID	OJ990825_16.0303.C14
Gene No.	86077	Strand	+
Start	517	End	824
Name	OJ990825_16.0303.C14.o1.gs	Method	GENSCAN
Start	517	End	824
GI	none	Score	.77
Exons	517..571, 811..824		

Seq. No.	41514	Seq. ID	OJ990825_16.0303.C14
Gene No.	86078	Strand	-
Start	2110	End	3030
Name	OJ990825_16.0303.C14.o2.gs	Method	GENSCAN
Start	2110	End	3030
GI	none	Score	1
Exons	2110..3030		

Seq. No.	41514	Seq. ID	OJ990825_16.0303.C14
Gene No.	86079	Strand	-
Start	5103	End	6249
Name	OJ990825_16.0303.C14.o1.np	Method	AAT/NAP
Start	5080	End	6184
GI	7339707	Score	78
Exons	5080..5261, 5579..5692, 5913..6184		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	41514	Seq. ID	OJ990825_16.0303.C14
Gene No.	86079	Strand	-
Start	5103	End	6249
Name	OJ990825_16.0303.C14.o3.gs	Method	GENSCAN
Start	5103	End	6249
GI	none	Score	.47
Exons	5103..5304, 5543..5670, 5964..6249		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86080	Strand	+

Start	4112	End	9551
Name	OJ990825_16.0303.C15.o2.gs	Method	GENSCAN
Start	4112	End	9551
GI	none	Score	.94
Exons	4112..4322, 6117..6292, 8114..8152, 8609..8812, 8948..9101, 9205..9551		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86081	Strand	+
Start	15850	End	20587
Name	OJ990825_16.0303.C15.o5.gs	Method	GENSCAN
Start	15850	End	20587
GI	none	Score	.55
Exons	15850..15906, 16045..16174, 16176..16304, 16613..16800, 17056..17129, 17644..17809, 18201..18301, 18724..18922, 20459..20587		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86082	Strand	-
Start	9902	End	10234
Name	OJ990825_16.0303.C15.o3.gs	Method	GENSCAN
Start	9902	End	10234
GI	none	Score	.67
Exons	9902..10234		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	4226	End	9392
GI	none	Score	80
Exons	4226..4315, 6116..6157, 6182..6298, 6184..6291, 8608..8730, 8609..8731, 8753..8815, 8945..9103, 8947..9102, 9204..9296, 9309..9392		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	10822	End	11293
GI	none	Score	48
Exons	10822..10857, 10823..10870, 10826..10864, 10922..10966, 10955..11050, 10968..11051, 10972..11052, 11053..11247, 11057..11293, 11061..11288		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	10898	End	11315
GI	none	Score	112
Exons	10898..11062, 10932..11051, 10944..11069, 11072..11314, 11076..11315, 11136..11315		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840

Name	OJ990825_16.0303.C15.o4.gs	Method	GENSCAN
Start	10928	End	14828
GI	none	Score	.84
Exons	10928..11323, 11410..11577, 12095..12331, 12424..12465, 12553..12735, 13164..13295, 14376..14828		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o1.np	Method	AAT/NAP
Start	10931	End	14840
GI	6573750	Score	1349
Exons	10931..11323, 11410..11600, 12124..12331, 12394..12447, 12498..12735, 13164..13295, 14376..14517, 14581..14840		
GI Descrip.	(AC009398) F20B24.8 [Arabidopsis thaliana]		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	10964	End	14450
GI	none	Score	71
Exons	10964..11044, 10965..11045, 11078..11326, 11082..11327, 11404..11598, 11408..11563, 11410..11601, 11411..11602, 12107..12331, 12111..12332, 12119..12343, 12506..12535, 12585..12695, 12598..12744, 12599..12742, 13161..13298, 13174..13254, 14376..14450		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o1.gp	Method	AAT/GAP
Start	11073	End	11626
GI	701864	Score	795
Exons	11073..11323, 11410..11626		
GI Descrip.	2462753 4.0e-42 (AC002292) putative polygalacturonase [Arabidopsis thaliana]		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	11389	End	11677
GI	none	Score	217
Exons	11389..11607, 11393..11677, 11400..11606, 11401..11676		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-
Start	10928	End	14840
Name	OJ990825_16.0303.C15.o2.tc	Method	TBLASTX:Cress
Start	11405	End	13283
GI	none	Score	143
Exons	11405..11599, 11410..11601, 11411..11602, 12107..12331, 12123..12332, 12598..12690, 13191..13283		

Seq. No.	41515	Seq. ID	OJ990825_16.0303.C15
Gene No.	86083	Strand	-

Start	10928	End	14840
Name	OJ990825_16.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	12110	End	12733
GI	none	Score	283
Exons	12110..12331, 12111..12347, 12119..12328, 12409..12465, 12416..12466, 12423..12479, 12581..12718, 12582..12728, 12589..12732, 12590..12733		

Seq. No.	41516	Seq. ID	OJ990825_16.0303.C16
Gene No.	86084	Strand	+
Start	3291	End	4249
Name	OJ990825_16.0303.C16.o1.np	Method	AAT/NAP
Start	3291	End	4246
GI	5091599	Score	1670
Exons	3291..4246		
GI Descrip.	(AC007858) 10A19I.2 [Oryza sativa]		

Seq. No.	41516	Seq. ID	OJ990825_16.0303.C16
Gene No.	86084	Strand	+
Start	3291	End	4249
Name	OJ990825_16.0303.C16.o2.gs	Method	GENSCAN
Start	3291	End	4249
GI	none	Score	.63
Exons	3291..3621, 3627..4249		

Seq. No.	41516	Seq. ID	OJ990825_16.0303.C16
Gene No.	86085	Strand	-
Start	825	End	1363
Name	OJ990825_16.0303.C16.o1.gs	Method	GENSCAN
Start	825	End	1363
GI	none	Score	.4
Exons	825..951, 981..1363		

Seq. No.	41516	Seq. ID	OJ990825_16.0303.C16
Gene No.	86086	Strand	-
Start	5415	End	5529
Name	OJ990825_16.0303.C16.o1.gp	Method	AAT/GAP
Start	5069	End	5529
GI	20158_1.R1084	Score	827
Exons	5069..5529		
GI Descrip.	'2462753 4.0e-42 (AC002292) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	41516	Seq. ID	OJ990825_16.0303.C16
Gene No.	86086	Strand	-
Start	5415	End	5529
Name	OJ990825_16.0303.C16.o3.gs	Method	GENSCAN
Start	5415	End	5527
GI	none	Score	.51
Exons	5415..5527		

Seq. No.	41517	Seq. ID	OJ990825_16.0303.C17
Gene No.	86087	Strand	+
Start	212	End	439
Name	OJ990825_16.0303.C17.o1.gs	Method	GENSCAN
Start	212	End	439
GI	none	Score	.86

Exons	212..439		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86088	Strand	-
Start	743	End	2002
Name	OJ000122_44.0406.C4.o1.gs	Method	GENSCAN
Start	743	End	2002
GI	none	Score	.58
Exons	743..2002		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86088	Strand	-
Start	743	End	2002
Name	OJ000122_44.0406.C4.o1.np	Method	AAT/NAP
Start	1763	End	1882
GI	6598801	Score	78
Exons	1763..1882		
GI Descrip.	(AF024504) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86089	Strand	-
Start	3409	End	4602
Name	OJ000122_44.0406.C4.o2.gs	Method	GENSCAN
Start	3409	End	4602
GI	none	Score	.98
Exons	3409..4602		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86089	Strand	-
Start	3409	End	4602
Name	OJ000122_44.0406.C4.o2.np	Method	AAT/NAP
Start	4453	End	4578
GI	6598801	Score	78
Exons	4453..4578		
GI Descrip.	(AF024504) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86090	Strand	-
Start	5707	End	9745
Name	OJ000122_44.0406.C4.o1.tw	Method	TBLASTX:Wheat
Start	914	End	9040
GI	none	Score	60
Exons	914..937, 941..1042, 1112..1177, 3607..3705, 3778..3831, 3781..3846, 5762..6121, 5762..6121, 5764..6129, 5844..6128, 6143..6175, 8729..8878, 8729..8944, 8731..8931, 8914..9012, 8951..9040		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86090	Strand	-
Start	5707	End	9745
Name	OJ000122_44.0406.C4.o3.gs	Method	GENSCAN
Start	5707	End	9745
GI	none	Score	.57
Exons	5707..5821, 5988..6054, 6133..6693, 7468..7699, 8666..9745		
Seq. No.	41518	Seq. ID	OJ000122_44.0406.C4
Gene No.	86090	Strand	-

Start	5707	End	9745
Name	OJ000122_44.0406.C4.o1.gp	Method	AAT/GAP
Start	8830	End	9162
GI	none	Score	624
Exons	8830..9162		

Seq. No.	41519	Seq. ID	OJ000122_44.0406.C5
Gene No.	86091	Strand	-
Start	755	End	6846
Name	OJ000122_44.0406.C5.o1.gs	Method	GENSCAN
Start	755	End	6060
GI	none	Score	.46
Exons	755..860, 1515..1709, 2597..2677, 4718..4793, 5438..5590, 5625..6060		

Seq. No.	41519	Seq. ID	OJ000122_44.0406.C5
Gene No.	86091	Strand	-
Start	755	End	6846
Name	OJ000122_44.0406.C5.o1.np	Method	AAT/NAP
Start	2381	End	2798
GI	6539570	Score	179
Exons	2381..2446, 2605..2798		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	41519	Seq. ID	OJ000122_44.0406.C5
Gene No.	86091	Strand	-
Start	755	End	6846
Name	OJ000122_44.0406.C5.o2.np	Method	AAT/NAP
Start	2934	End	3013
GI	6630699	Score	93
Exons	2934..3013		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41519	Seq. ID	OJ000122_44.0406.C5
Gene No.	86091	Strand	-
Start	755	End	6846
Name	OJ000122_44.0406.C5.o3.np	Method	AAT/NAP
Start	4551	End	6846
GI	5777623	Score	1320
Exons	4551..4793, 5612..6120, 6297..6440, 6690..6846		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86092	Strand	+
Start	9042	End	15809
Name	OJ000122_44.0406.C6.o3.gs	Method	GENSCAN
Start	9042	End	15809
GI	none	Score	.52
Exons	9042..9049, 11028..11536, 12674..12808, 12845..13040, 13461..13518, 14196..14474, 15217..15298, 15691..15809		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86092	Strand	+
Start	9042	End	15809
Name	OJ000122_44.0406.C6.o2.gp	Method	AAT/GAP

Start	15144	End	15647
GI	none	Score	982
Exons	15144..15647		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86093	Strand	+
Start	18812	End	22681
Name	OJ000122_44.0406.C6.o3.gp	Method	AAT/GAP
Start	18812	End	20590
GI	25685_1.R1084	Score	1182
Exons	18812..18948, 19092..19176, 19839..19976, 20174..20398, 20506..20590		
GI Descrip.	'2661412/emb|CAA04261| 6.0e-72 (AJ000728) MAP kinase kinase [Lycopersicon esculentum]'		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86093	Strand	+
Start	18812	End	22681
Name	OJ000122_44.0406.C6.o2.np	Method	AAT/NAP
Start	18875	End	22297
GI	7434316	Score	943
Exons	18875..18948, 19092..19173, 19839..19976, 20174..20398, 20506..20688, 20794..20999, 22054..22099, 22202..22297		
GI Descrip.	protein kinase MEK1 - tomato gi|2661412|emb|CAA04261.1| (AJ000728) MAP kinase kinase [Lycopersicon esculentum]		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86093	Strand	+
Start	18812	End	22681
Name	OJ000122_44.0406.C6.o5.gs	Method	GENSCAN
Start	19821	End	22448
GI	none	Score	.74
Exons	19821..19976, 20506..20688, 20794..20999, 21310..21535, 22202..22295, 22426..22448		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86093	Strand	+
Start	18812	End	22681
Name	OJ000122_44.0406.C6.o4.gp	Method	AAT/GAP
Start	20653	End	22681
GI	60839_1.R1084	Score	1170
Exons	20653..20688, 20794..20999, 22054..22099, 22202..22295, 22426..22681		
GI Descrip.	'2661412/emb|CAA04261| 1.0e-42 (AJ000728) MAP kinase kinase [Lycopersicon esculentum]'		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86094	Strand	+
Start	26535	End	26689
Name	OJ000122_44.0406.C6.o5.gp	Method	AAT/GAP
Start	26535	End	26689
GI	uC-osflcyp104c12a1	Score	199
Exons	26535..26689		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6

Gene No.	86095	Strand	+
Start	27687	End	32143
Name	OJ000122_44.0406.C6.o6.gp	Method	AAT/GAP
Start	27687	End	28277
GI	2310235	Score	294
Exons	27687..27724, 28138..28277		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86095	Strand	+
Start	27687	End	32143
Name	OJ000122_44.0406.C6.o10.gp	Method	AAT/GAP
Start	28142	End	32143
GI	342_1.R1084	Score	6938
Exons	28142..32143		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86095	Strand	+
Start	27687	End	32143
Name	OJ000122_44.0406.C6.o3.np	Method	AAT/NAP
Start	28146	End	31434
GI	4680203	Score	3224
Exons	28146..29795, 29951..30181, 30457..31434		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86096	Strand	-
Start	843	End	3517
Name	OJ000122_44.0406.C6.o1.gs	Method	GENSCAN
Start	843	End	3517
GI	none	Score	.8
Exons	843..1445, 1552..1734, 1767..1972, 2281..2308, 3084..3198, 3462..3517		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86097	Strand	-
Start	4163	End	5876
Name	OJ000122_44.0406.C6.o2.gs	Method	GENSCAN
Start	4163	End	5828
GI	none	Score	.5
Exons	4163..4777, 4912..5145, 5355..5517, 5545..5828		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86097	Strand	-
Start	4163	End	5876
Name	OJ000122_44.0406.C6.o1.np	Method	AAT/NAP
Start	4166	End	5741
GI	2062167	Score	1083
Exons	4166..4359, 4522..4777, 4912..5145, 5355..5485, 5591..5741		
GI Descrip.	(AC001645) Proline-rich protein APG isolog [Arabidopsis thaliana]		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86097	Strand	-

Start	4163	End	5876
Name	OJ000122_44.0406.C6.o1.gp	Method	AAT/GAP
Start	4959	End	5876
GI	43355_1.R1084	Score	1143
Exons	4959..5145, 5355..5485, 5591..5876		
GI Descrip.	'2062167 2.0e-61 (AC001645) Proline-rich protein APG isolog [Arabidopsis thaliana]'		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86098	Strand	-
Start	16441	End	19151
Name	OJ000122_44.0406.C6.o4.gs	Method	GENSCAN
Start	16441	End	19151
GI	none	Score	.64
Exons	16441..16658, 18824..19151		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86099	Strand	-
Start	23417	End	23914
Name	OJ000122_44.0406.C6.o6.gs	Method	GENSCAN
Start	23417	End	23914
GI	none	Score	.47
Exons	23417..23914		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o3.tc	Method	TBLASTX:Cress
Start	4148	End	4786
GI	none	Score	77
Exons	4148..4360, 4148..4360, 4173..4361, 4514..4786, 4542..4778		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	4163	End	5847
GI	none	Score	238
Exons	4163..4360, 4164..4361, 4520..4777, 4521..4766, 4903..5082, 4910..5143, 4915..5154, 5346..5486, 5346..5492, 5571..5765, 5580..5774, 5593..5811, 5605..5847		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o4.ts	Method	TBLASTX:Soybean
Start	4163	End	5016
GI	none	Score	219
Exons	4163..4360, 4167..4361, 4520..4786, 4533..4589, 4650..4799, 4915..5016		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	5017	End	5774
GI	none	Score	111

Exons	5017..5154, 5021..5143, 5356..5481, 5358..5492, 5580..5774, 5591..5734, 5593..5754		
Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o4.tc	Method	TBLASTX:Cress
Start	5343	End	5799
GI	none	Score	169
Exons	5343..5489, 5580..5756, 5599..5799		
Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o5.tm	Method	TBLASTX:Maize
Start	14193	End	15773
GI	none	Score	142
Exons	14193..14318, 14204..14347, 14255..14275, 14312..14479, 14313..14486, 14331..14489, 14333..14506, 14568..14624, 14569..14625, 15214..15303, 15216..15299, 15217..15303, 15415..15459, 15680..15754, 15693..15773		
Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	19073	End	22290
GI	none	Score	128
Exons	19073..19108, 19089..19178, 19108..19176, 19836..19862, 19866..19982, 19869..19976, 19931..19993, 19931..19996, 20158..20397, 20168..20398, 20204..20398, 20440..20688, 20498..20608, 20501..20698, 20502..20687, 20502..20699, 20503..20688, 20769..20999, 20793..20849, 20794..20997, 22053..22082, 22057..22101, 22202..22288, 22207..22290, 22207..22290		
Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	19078	End	22285
GI	none	Score	110
Exons	19078..19167, 19833..19982, 19890..19979, 20158..20322, 20158..20397, 20168..20398, 20172..20399, 20347..20400, 20502..20684, 20502..20699, 20503..20688, 20793..20828, 20794..20826, 20806..20895, 20826..20900, 20898..20999, 20899..20997, 22205..22285		
Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o1.tc	Method	TBLASTX:Cress
Start	19093	End	22285
GI	none	Score	108
Exons	19093..19167, 19863..19976, 19866..19982, 19919..19993, 19946..20002, 20158..20397, 20168..20398, 20172..20399, 20443..20688, 20502..20714, 20503..20688, 20793..20894,		

20794..20895, 20902..20994, 20910..20999, 22193..22285

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o2.tw	Method	TBLASTX:Wheat
Start	20378	End	20936
GI	none	Score	35
Exons	20378..20398, 20501..20698, 20502..20687, 20502..20699, 20503..20688, 20769..20936, 20773..20934		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86100	Strand	-
Start	25591	End	26507
Name	OJ000122_44.0406.C6.o7.gs	Method	GENSCAN
Start	25591	End	26507
GI	none	Score	.46
Exons	25591..25747, 26449..26507		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86101	Strand	
Start	28476	End	28832
Name	OJ000122_44.0406.C6.o5.tw	Method	TBLASTX:Wheat
Start	28476	End	28832
GI	none	Score	103
Exons	28476..28583, 28566..28817, 28574..28816, 28575..28832, 28576..28827		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86102	Strand	
Start	28748	End	29497
Name	OJ000122_44.0406.C6.o3.ts	Method	TBLASTX:Soybean
Start	28748	End	29186
GI	none	Score	102
Exons	28748..28831, 28749..28823, 28824..28886, 28881..29186, 28913..29185		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86102	Strand	
Start	28748	End	29497
Name	OJ000122_44.0406.C6.o5.tc	Method	TBLASTX:Cress
Start	28910	End	29225
GI	none	Score	267
Exons	28910..29056, 28917..29225, 29102..29197		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86102	Strand	
Start	28748	End	29497
Name	OJ000122_44.0406.C6.o3.tw	Method	TBLASTX:Wheat
Start	29046	End	29497
GI	none	Score	65
Exons	29046..29099, 29054..29098, 29100..29204, 29111..29200, 29218..29304, 29219..29305, 29285..29359, 29308..29358, 29364..29495, 29365..29496, 29365..29496, 29366..29497		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86102	Strand	

Start	28748	End	29497
Name	OJ000122_44.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	29091	End	29490
GI	none	Score	99
Exons	29091..29219, 29103..29225, 29219..29344, 29225..29344, 29365..29490		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86103	Strand	
Start	29651	End	30063
Name	OJ000122_44.0406.C6.o4.tw	Method	TBLASTX:Wheat
Start	29651	End	30063
GI	none	Score	87
Exons	29651..29701, 29652..29714, 29700..29897, 29715..29894, 29720..29896, 29972..30061, 29980..30063, 29981..30061		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86104	Strand	
Start	30064	End	31380
Name	OJ000122_44.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	30064	End	31380
GI	none	Score	162
Exons	30064..30201, 30065..30202, 30192..30965, 30198..30788, 30199..30981, 30975..31016, 30976..31020, 30979..31020, 31023..31118, 31027..31086, 31065..31205, 31066..31206, 31098..31214, 31219..31299, 31282..31380		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86104	Strand	
Start	30064	End	31380
Name	OJ000122_44.0406.C6.o4.tm	Method	TBLASTX:Maize
Start	30107	End	30420
GI	none	Score	85
Exons	30107..30202, 30192..30392, 30199..30420		

Seq. No.	41520	Seq. ID	OJ000122_44.0406.C6
Gene No.	86104	Strand	
Start	30064	End	31380
Name	OJ000122_44.0406.C6.o2.tc	Method	TBLASTX:Cress
Start	30347	End	30798
GI	none	Score	160
Exons	30347..30529, 30351..30788, 30351..30794, 30355..30798, 30361..30798		

Seq. No.	41521	Seq. ID	OJ000122_44.0406.C7
Gene No.	86105	Strand	+
Start	1128	End	5230
Name	OJ000122_44.0406.C7.o1.np	Method	AAT/NAP
Start	1128	End	5230
GI	4680204	Score	987
Exons	1128..2564, 2660..3759, 3869..4042, 4139..4269, 5207..5230		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41521	Seq. ID	OJ000122_44.0406.C7
Gene No.	86105	Strand	+
Start	1128	End	5230
Name	OJ000122_44.0406.C7.o1.gs	Method	GENSCAN

Start	1143	End	5071
GI	none	Score	.58
Exons	1143..1521, 1642..2033, 2100..2399, 2445..2564, 2660..2801, 2978..3072, 3074..3759, 3869..4042, 4334..4406, 5006..5071		

Seq. No.	41521	Seq. ID	OJ000122_44.0406.C7
Gene No.	86105	Strand	+
Start	1128	End	5230
Name	OJ000122_44.0406.C7.o1.tw	Method	TBLASTX:Wheat
Start	1771	End	2174
GI	none	Score	221
Exons	1771..1887, 1773..2009, 1773..1922, 1874..2041, 2079..2174, 2079..2174		

Seq. No.	41521	Seq. ID	OJ000122_44.0406.C7
Gene No.	86105	Strand	+
Start	1128	End	5230
Name	OJ000122_44.0406.C7.o2.tw	Method	TBLASTX:Wheat
Start	2175	End	2872
GI	none	Score	69
Exons	2175..2255, 2496..2570, 2651..2872, 2653..2727		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86106	Strand	+
Start	1	End	2476
Name	OJ000122_44.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	2276
GI	7340881	Score	124
Exons	1..523, 2208..2276		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86106	Strand	+
Start	1	End	2476
Name	OJ000122_44.0406.C8.o1.gs	Method	GENSCAN
Start	265	End	2476
GI	none	Score	.72
Exons	265..393, 2288..2476		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86106	Strand	+
Start	1	End	2476
Name	OJ000122_44.0406.C8.o1.gp	Method	AAT/GAP
Start	1905	End	1994
GI	uC-osf1cyp088b12b1	Score	129
Exons	1905..1994		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86107	Strand	+
Start	4556	End	5024
Name	OJ000122_44.0406.C8.o3.gp	Method	AAT/GAP
Start	4486	End	5024
GI	none	Score	943
Exons	4486..5024		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86107	Strand	+
Start	4556	End	5024
Name	OJ000122_44.0406.C8.o2.gs	Method	GENSCAN
Start	4556	End	4978
GI	none	Score	.81
Exons	4556..4978		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86108	Strand	+
Start	9521	End	9701
Name	OJ000122_44.0406.C8.o4.gp	Method	AAT/GAP
Start	9521	End	9701
GI	none	Score	316
Exons	9521..9701		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86109	Strand	+
Start	14211	End	18012
Name	OJ000122_44.0406.C8.o2.np	Method	AAT/NAP
Start	14211	End	18012
GI	6630696	Score	6286
Exons	14211..18012		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86109	Strand	+
Start	14211	End	18012
Name	OJ000122_44.0406.C8.o5.gp	Method	AAT/GAP
Start	14253	End	15145
GI	101595_1.R1084	Score	1395
Exons	14253..14953, 15069..15145		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86110	Strand	+
Start	24771	End	25130
Name	OJ000122_44.0406.C8.o7.gs	Method	GENSCAN
Start	24771	End	25130
GI	none	Score	1
Exons	24771..25130		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86111	Strand	+
Start	26043	End	33902
Name	OJ000122_44.0406.C8.o8.gs	Method	GENSCAN
Start	26043	End	32756
GI	none	Score	.49
Exons	26043..26145, 26177..26281, 26426..26492, 28417..28545, 28600..28726, 28836..29166, 30304..30715, 30993..31078, 31310..31480, 32487..32560, 32568..32756		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86111	Strand	+

Start	26043	End	33902
Name	OJ000122_44.0406.C8.o3.np	Method	AAT/NAP
Start	26171	End	33902
GI	7340881	Score	36
Exons	26171..26463, 30515..30557, 33125..33342, 33860..33902		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86111	Strand	+
Start	26043	End	33902
Name	OJ000122_44.0406.C8.o8.gp	Method	AAT/GAP
Start	33127	End	33574
GI	none	Score	868
Exons	33127..33574		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86112	Strand	-
Start	2827	End	3011
Name	OJ000122_44.0406.C8.o2.gp	Method	AAT/GAP
Start	2827	End	3011
GI	21474_1.R1084	Score	172
Exons	2827..2857, 2895..3011		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86113	Strand	-
Start	6490	End	6889
Name	OJ000122_44.0406.C8.o3.gs	Method	GENSCAN
Start	6490	End	6889
GI	none	Score	.43
Exons	6490..6646, 6885..6889		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86114	Strand	-
Start	20188	End	23635
Name	OJ000122_44.0406.C8.o6.gs	Method	GENSCAN
Start	20188	End	23635
GI	none	Score	.83
Exons	20188..20568, 21448..21663, 23294..23427, 23584..23635		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86114	Strand	-
Start	20188	End	23635
Name	OJ000122_44.0406.C8.o6.gp	Method	AAT/GAP
Start	21219	End	21700
GI	4716188	Score	927
Exons	21219..21700		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86115	Strand	-
Start	24665	End	25407
Name	OJ000122_44.0406.C8.o7.gp	Method	AAT/GAP
Start	24665	End	25407
GI	8505_1.R1084	Score	1429
Exons	24665..25407		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-12 Homo sapiens PEX1 mRNA,		

complete cds'

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o5.tm	Method	TBLASTX:Maize
Start	2743	End	33420
GI	none	Score	66
Exons	2743..2778, 2754..2786, 2755..2811, 2763..2810, 4643..4873, 4648..4971, 4940..4975, 9618..9812, 9628..9756, 20206..20544, 24800..25120, 24810..25031, 25089..25124, 28845..28940, 29034..29192, 29045..29185, 33103..33171, 33282..33413, 33310..33420		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o5.tw	Method	TBLASTX:Wheat
Start	4637	End	33440
GI	none	Score	194
Exons	4637..4873, 4655..4774, 4813..4974, 4940..4975, 9618..9812, 9628..9792, 9805..9843, 20206..20547, 20219..20536, 24792..25124, 24792..24887, 24794..25117, 28866..28940, 29034..29192, 29048..29185, 33103..33171, 33105..33170, 33262..33420, 33264..33377, 33270..33440, 33313..33420		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o4.tw	Method	TBLASTX:Wheat
Start	14105	End	14502
GI	none	Score	127
Exons	14105..14203, 14106..14240, 14217..14501, 14291..14500, 14320..14502		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o3.tm	Method	TBLASTX:Maize
Start	14253	End	14561
GI	none	Score	310
Exons	14253..14561, 14300..14500, 14367..14558		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	15084	End	15428
GI	none	Score	381
Exons	15084..15356, 15086..15358, 15086..15358, 15387..15428		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o6.tm	Method	TBLASTX:Maize
Start	15540	End	16004
GI	none	Score	270

Exons	15540..16004, 15779..15997		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o6.tw	Method	TBLASTX:Wheat
Start	15650	End	15838
GI	none	Score	192
Exons	15650..15838, 15651..15791, 15655..15810		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o4.ts	Method	TBLASTX:Soybean
Start	15794	End	16190
GI	none	Score	149
Exons	15794..16009, 15834..16013, 16017..16190		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	15840	End	16593
GI	none	Score	701
Exons	15840..16463, 15848..16345, 16404..16463, 16470..16589, 16471..16593		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	16513	End	16977
GI	5509260	Score	312
Exons	16513..16977, 16608..16682, 16723..16926, 16905..16952		
GI Descrip.	-		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	16606	End	16866
GI	none	Score	232
Exons	16606..16866		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o4.tm	Method	TBLASTX:Maize
Start	16647	End	17112
GI	none	Score	290
Exons	16647..16778, 16648..17112, 16783..16929		
Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o3.tw	Method	TBLASTX:Wheat
Start	16648	End	17193

GI	none	Score	252
Exons	16648..16992, 16987..17193		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o2.ts	Method	TBLASTX:Soybean
Start	17046	End	17394
GI	none	Score	141
Exons	17046..17210, 17047..17205, 17205..17393, 17206..17394, 17215..17394		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	17173	End	17545
GI	none	Score	354
Exons	17173..17544, 17196..17543, 17297..17545		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o2.tw	Method	TBLASTX:Wheat
Start	17401	End	17876
GI	none	Score	105
Exons	17401..17475, 17406..17474, 17490..17876, 17491..17874		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o3.ts	Method	TBLASTX:Soybean
Start	17407	End	17748
GI	none	Score	93
Exons	17407..17520, 17539..17748, 17544..17693		

Seq. No.	41522	Seq. ID	OJ000122_44.0406.C8
Gene No.	86116	Strand	-
Start	33127	End	33440
Name	OJ000122_44.0406.C8.o9.gs	Method	GENSCAN
Start	33127	End	33374
GI	none	Score	.8
Exons	33127..33300, 33309..33374		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86117	Strand	+
Start	1196	End	2152
Name	OJ000122_44.0406.C9.o1.gs	Method	GENSCAN
Start	1196	End	2152
GI	none	Score	.9
Exons	1196..1267, 1551..1681, 1915..2152		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86118	Strand	+
Start	5158	End	6570
Name	OJ000122_44.0406.C9.o1.np	Method	AAT/NAP
Start	5158	End	6570

GI	7340868	Score	147
Exons	5158..5339, 6468..6570		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86119	Strand	+
Start	6695	End	7152
Name	OJ000122_44.0406.C9.o1.gp	Method	AAT/GAP
Start	6695	End	7152
GI	5003095	Score	638
Exons	6695..6861, 6961..7152		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86120	Strand	+
Start	9182	End	17797
Name	OJ000122_44.0406.C9.o2.gp	Method	AAT/GAP
Start	9094	End	10952
GI	uC-osf1cyp029d05b1	Score	988
Exons	9094..9338, 10380..10607, 10910..10952		
GI Descrip.	'5091542/gb|AAD39571.1|AC007067_11 7.0e-30 (AC007067) T10O24.11 [Arabidopsis thaliana]'		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86120	Strand	+
Start	9182	End	17797
Name	OJ000122_44.0406.C9.o3.gs	Method	GENSCAN
Start	9182	End	17797
GI	none	Score	.74
Exons	9182..9338, 10380..10607, 10910..11017, 11472..11557, 11685..11860, 11893..11980, 12529..12611, 13185..13299, 13694..13785, 14491..14584, 14931..15008, 15687..16088, 16101..16574, 17750..17797		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86120	Strand	+
Start	9182	End	17797
Name	OJ000122_44.0406.C9.o2.np	Method	AAT/NAP
Start	10400	End	11049
GI	5091542	Score	461
Exons	10400..10607, 10910..11049		
GI Descrip.	(AC007067) T10O24.11 [Arabidopsis thaliana]		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86120	Strand	+
Start	9182	End	17797
Name	OJ000122_44.0406.C9.o3.gp	Method	AAT/GAP
Start	10959	End	11251
GI	none	Score	586
Exons	10959..11251		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86120	Strand	+
Start	9182	End	17797
Name	OJ000122_44.0406.C9.o4.gp	Method	AAT/GAP
Start	11527	End	12309
GI	none	Score	807
Exons	11527..11800, 11893..11980, 12210..12309		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86121	Strand	+
Start	18131	End	18429
Name	OJ000122_44.0406.C9.o4.gs	Method	GENSCAN
Start	18131	End	18429
GI	none	Score	.67
Exons	18131..18342, 18405..18429		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86122	Strand	-
Start	2765	End	8293
Name	OJ000122_44.0406.C9.o2.gs	Method	GENSCAN
Start	2765	End	8293
GI	none	Score	.45
Exons	2765..2853, 5392..5463, 6330..6678, 6759..6809, 8291..8293		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86123	Strand	-
Start	15076	End	15339
Name	OJ000122_44.0406.C9.o5.gp	Method	AAT/GAP
Start	15076	End	15339
GI	3107559	Score	463
Exons	15076..15339		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86124	Strand	-
Start	15329	End	15479
Name	OJ000122_44.0406.C9.o6.gp	Method	AAT/GAP
Start	15329	End	15479
GI	3767699	Score	234
Exons	15329..15479		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	9217	End	11198
GI	none	Score	82
Exons	9217..9321, 9218..9277, 9305..9346, 10396..10605, 10398..10607, 10427..10606, 10907..10960, 10908..11048, 10909..11097, 11142..11198		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	10399	End	11040
GI	none	Score	269
Exons	10399..10605, 10427..10606, 10908..11039, 10909..11040		

Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o1.tc	Method	TBLASTX:Cress
Start	10417	End	11064
GI	none	Score	252

Exons	10417..10605, 10430..10606, 10908..11039, 10909..11064		
Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o3.ts	Method	TBLASTX:Soybean
Start	13183	End	14608
GI	none	Score	35
Exons	13183..13203, 13231..13299, 13700..13738, 13703..13765, 14317..14388, 14319..14393, 14323..14391, 14489..14587, 14494..14598, 14495..14608		
Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o3.np	Method	AAT/NAP
Start	15717	End	19792
GI	5042446	Score	469
Exons	15717..16010, 16060..16344, 16384..16556, 18929..19042, 19193..19473, 19518..19792		
GI Descrip.	(AC007789) putative WRKY DNA binding protein [Oryza sativa]		
Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o1.tw	Method	TBLASTX:Wheat
Start	16488	End	19043
GI	none	Score	78
Exons	16488..16559, 16489..16560, 18923..18997, 18926..19042, 18927..19043, 18927..19043		
Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o2.ts	Method	TBLASTX:Soybean
Start	16488	End	19043
GI	none	Score	85
Exons	16488..16559, 16489..16560, 18926..19042, 18927..19043, 18933..19043		
Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o2.tc	Method	TBLASTX:Cress
Start	18924	End	19237
GI	none	Score	159
Exons	18924..19040, 18926..19042, 19184..19237		
Seq. No.	41523	Seq. ID	OJ000122_44.0406.C9
Gene No.	86125	Strand	-
Start	15717	End	20847
Name	OJ000122_44.0406.C9.o5.gs	Method	GENSCAN
Start	19181	End	20847
GI	none	Score	.94
Exons	19181..19759, 19904..19975, 20743..20847		
Seq. No.	41524	Seq. ID	OJ000122_44.0406.C10

Gene No.	86126	Strand	-
Start	1677	End	4332
Name	OJ000122_44.0406.C10.o1.gs	Method	GENSCAN
Start	1677	End	4332
GI	none	Score	.55
Exons	1677..1746, 4292..4332		

Seq. No.	41525	Seq. ID	OJ000122_44.0406.C12
Gene No.	86127	Strand	+
Start	489	End	1137
Name	OJ000122_44.0406.C12.o1.np	Method	AAT/NAP
Start	489	End	1137
GI	2498930	Score	742
Exons	489..552, 720..1137		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	41525	Seq. ID	OJ000122_44.0406.C12
Gene No.	86127	Strand	+
Start	489	End	1137
Name	OJ000122_44.0406.C12.o1.gs	Method	GENSCAN
Start	493	End	1022
GI	none	Score	.7
Exons	493..552, 720..1022		

Seq. No.	41526	Seq. ID	OJ000302_24.0413.C3
Gene No.	86128	Strand	-
Start	601	End	736
Name	OJ000302_24.0413.C3.o1.np	Method	AAT/NAP
Start	601	End	715
GI	6562317	Score	97
Exons	601..715		
GI Descrip.	(AL133421) glycerophosphodiester phosphodiesterase-like protein [Arabidopsis thaliana]		

Seq. No.	41526	Seq. ID	OJ000302_24.0413.C3
Gene No.	86128	Strand	-
Start	601	End	736
Name	OJ000302_24.0413.C3.o1.gs	Method	GENSCAN
Start	605	End	736
GI	none	Score	.82
Exons	605..736		

Seq. No.	41527	Seq. ID	OJ000302_24.0413.C4
Gene No.	86129	Strand	-
Start	1	End	1370
Name	OJ000302_24.0413.C4.o1.np	Method	AAT/NAP
Start	1	End	825
GI	6562317	Score	328
Exons	1..29, 122..305, 631..825		
GI Descrip.	(AL133421) glycerophosphodiester phosphodiesterase-like protein [Arabidopsis thaliana]		

Seq. No.	41527	Seq. ID	OJ000302_24.0413.C4
Gene No.	86129	Strand	-
Start	1	End	1370
Name	OJ000302_24.0413.C4.o1.tm	Method	TBLASTX:Maize

Start	111	End	765
GI	none	Score	145
Exons	111..323, 123..305, 124..315, 437..517, 631..765, 638..718		

Seq. No.	41527	Seq. ID	OJ000302_24.0413.C4
Gene No.	86129	Strand	-
Start	1	End	1370
Name	OJ000302_24.0413.C4.o1.gs	Method	GENSCAN
Start	122	End	1289
GI	none	Score	.95
Exons	122..305, 631..812, 1277..1289		

Seq. No.	41527	Seq. ID	OJ000302_24.0413.C4
Gene No.	86129	Strand	-
Start	1	End	1370
Name	OJ000302_24.0413.C4.o1.ts	Method	TBLASTX:Soybean
Start	154	End	796
GI	none	Score	109
Exons	154..306, 156..305, 631..768, 647..796		

Seq. No.	41527	Seq. ID	OJ000302_24.0413.C4
Gene No.	86129	Strand	-
Start	1	End	1370
Name	OJ000302_24.0413.C4.o1.gp	Method	AAT/GAP
Start	178	End	1370
GI	4968877	Score	702
Exons	178..305, 631..812, 1277..1370		
GI Descrip.	1781115/emb|CAB06224| 9.0e-10 (Z83864) glpQ1 [Mycobacterium tuberculosis]		

Seq. No.	41527	Seq. ID	OJ000302_24.0413.C4
Gene No.	86129	Strand	-
Start	1	End	1370
Name	OJ000302_24.0413.C4.o1.tw	Method	TBLASTX:Wheat
Start	203	End	786
GI	none	Score	87
Exons	203..307, 204..305, 205..312, 207..326, 631..720, 638..715, 648..725, 649..726, 707..778, 714..779, 714..785, 715..786		

Seq. No.	41528	Seq. ID	OJ000302_24.0413.C5
Gene No.	86130	Strand	-
Start	480	End	1342
Name	OJ000302_24.0413.C5.o1.tm	Method	TBLASTX:Maize
Start	474	End	1267
GI	none	Score	59
Exons	474..524, 477..554, 546..707, 556..672, 738..899, 745..906, 867..1022, 967..990, 1023..1121, 1032..1118, 1039..1122, 1193..1267		

Seq. No.	41528	Seq. ID	OJ000302_24.0413.C5
Gene No.	86130	Strand	-
Start	480	End	1342
Name	OJ000302_24.0413.C5.o1.np	Method	AAT/NAP
Start	480	End	1342
GI	7485312	Score	218
Exons	480..1342		
GI Descrip.	hypothetical protein F10M10.110 - Arabidopsis thaliana		

gi|4455179|emb|CAB36711.1| (AL035521) hypothetical protein [Arabidopsis thaliana] gi|7270384|emb|CAB80151.1| (AL161585) hypothetical protein [Arabidopsis thaliana]

Seq. No.	41529	Seq. ID	OJ000302_24.0413.C7
Gene No.	86131	Strand	+
Start	80	End	325
Name	OJ000302_24.0413.C7.o1.gp	Method	AAT/GAP
Start	80	End	325
GI	uC-osf1M202097d10b1	Score	88
Exons	80..145, 305..325		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	41530	Seq. ID	OJ000302_24.0413.C8
Gene No.	86132	Strand	+
Start	1101	End	2921
Name	OJ000302_24.0413.C8.o1.gp	Method	AAT/GAP
Start	1101	End	2921
GI	2311618	Score	814
Exons	1101..1276, 2621..2921		

Seq. No.	41531	Seq. ID	OJ000302_24.0413.C10
Gene No.	86133	Strand	+
Start	562	End	880
Name	OJ000302_24.0413.C10.o1.gs	Method	GENSCAN
Start	562	End	880
GI	none	Score	.95
Exons	562..735, 768..880		

Seq. No.	41531	Seq. ID	OJ000302_24.0413.C10
Gene No.	86134	Strand	-
Start	438	End	2462
Name	OJ000302_24.0413.C10.o1.np	Method	AAT/NAP
Start	438	End	2462
GI	6721512	Score	184
Exons	438..530, 1980..2028, 2071..2204, 2232..2462		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	41531	Seq. ID	OJ000302_24.0413.C10
Gene No.	86134	Strand	-
Start	438	End	2462
Name	OJ000302_24.0413.C10.o2.gs	Method	GENSCAN
Start	1496	End	2219
GI	none	Score	.55
Exons	1496..1569, 2075..2219		

Seq. No.	41532	Seq. ID	OJ000302_24.0413.C11
Gene No.	86135	Strand	+
Start	536	End	4354
Name	OJ000302_24.0413.C11.o1.gs	Method	GENSCAN
Start	536	End	4354
GI	none	Score	.54
Exons	536..1003, 2950..3049, 4140..4354		

Seq. No.	41532	Seq. ID	OJ000302_24.0413.C11
Gene No.	86136	Strand	+

Start	6487	End	6754
Name	OJ000302_24.0413.C11.o1.tm	Method	TBLASTX:Maize
Start	406	End	820
GI	none	Score	193
Exons	406..648, 407..649, 407..649, 644..712, 655..702, 709..819, 713..820, 713..820		

Seq. No.	41532	Seq. ID	OJ000302_24.0413.C11
Gene No.	86136	Strand	+
Start	6487	End	6754
Name	OJ000302_24.0413.C11.o1.tw	Method	TBLASTX:Wheat
Start	458	End	772
GI	none	Score	246
Exons	458..772, 479..715, 481..735		

Seq. No.	41532	Seq. ID	OJ000302_24.0413.C11
Gene No.	86136	Strand	+
Start	6487	End	6754
Name	OJ000302_24.0413.C11.o2.tm	Method	TBLASTX:Maize
Start	1013	End	1378
GI	none	Score	59
Exons	1013..1078, 1058..1210, 1064..1378		

Seq. No.	41532	Seq. ID	OJ000302_24.0413.C11
Gene No.	86136	Strand	+
Start	6487	End	6754
Name	OJ000302_24.0413.C11.o3.np	Method	AAT/NAP
Start	6487	End	6754
GI	4678224	Score	71
Exons	6487..6754		
GI Descrip.	(AC007135) unknown protein [Arabidopsis thaliana]		

Seq. No.	41533	Seq. ID	OJ000302_24.0413.C12
Gene No.	86137	Strand	-
Start	1487	End	1653
Name	OJ000302_24.0413.C12.o1.gs	Method	GENSCAN
Start	1487	End	1653
GI	none	Score	.9
Exons	1487..1653		

Seq. No.	41534	Seq. ID	OJ000302_24.0413.C13
Gene No.	86138	Strand	+
Start	152	End	243
Name	OJ000302_24.0413.C13.o1.np	Method	AAT/NAP
Start	152	End	243
GI	5852093	Score	44
Exons	152..243		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	41534	Seq. ID	OJ000302_24.0413.C13
Gene No.	86139	Strand	+
Start	412	End	1162
Name	OJ000302_24.0413.C13.o1.gs	Method	GENSCAN
Start	412	End	1162
GI	none	Score	.88
Exons	412..526, 1037..1162		

Seq. No.	41534	Seq. ID	OJ000302_24.0413.C13
Gene No.	86140	Strand	+
Start	10866	End	10945
Name	OJ000302_24.0413.C13.o3.gs	Method	GENSCAN
Start	10866	End	10945
GI	none	Score	.77
Exons	10866..10945		

Seq. No.	41534	Seq. ID	OJ000302_24.0413.C13
Gene No.	86141	Strand	-
Start	4730	End	6498
Name	OJ000302_24.0413.C13.o2.np	Method	AAT/NAP
Start	4730	End	6498
GI	7228450	Score	185
Exons	4730..4843, 4929..5054, 5196..5256, 6459..6498		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41535	Seq. ID	OJ000302_24.0413.C14
Gene No.	86142	Strand	+
Start	1	End	3350
Name	OJ000302_24.0413.C14.o1.np	Method	AAT/NAP
Start	1	End	634
GI	7109461	Score	464
Exons	1..634		
GI Descrip.	(AC016662) putative cytochrome P-450 [Arabidopsis thaliana]		

Seq. No.	41535	Seq. ID	OJ000302_24.0413.C14
Gene No.	86142	Strand	+
Start	1	End	3350
Name	OJ000302_24.0413.C14.o1.gs	Method	GENSCAN
Start	86	End	3350
GI	none	Score	.88
Exons	86..622, 3318..3350		

Seq. No.	41535	Seq. ID	OJ000302_24.0413.C14
Gene No.	86143	Strand	-
Start	3267	End	3395
Name	OJ000302_24.0413.C14.o1.ts	Method	TBLASTX:Soybean
Start	4	End	622
GI	none	Score	127
Exons	4..105, 5..115, 227..298, 350..514, 602..622		

Seq. No.	41535	Seq. ID	OJ000302_24.0413.C14
Gene No.	86143	Strand	-
Start	3267	End	3395
Name	OJ000302_24.0413.C14.o2.np	Method	AAT/NAP
Start	3267	End	3395
GI	7340905	Score	86
Exons	3267..3395		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41536	Seq. ID	OJ000302_24.0413.C15
Gene No.	86144	Strand	+
Start	753	End	5880
Name	OJ000302_24.0413.C15.o1.gs	Method	GENSCAN
Start	753	End	5880
GI	none	Score	.8

Exons	753..974, 2053..2116, 2367..2426, 2560..2744, 2851..2940, 2947..3463, 3552..4537, 4631..5491, 5791..5880		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86145	Strand	+
Start	124	End	1444
Name	OJ000302_24.0413.C16.o1.gs	Method	GENSCAN
Start	124	End	1444
GI	none	Score	.44
Exons	124..228, 500..652, 812..1444		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o1.np	Method	AAT/NAP
Start	440	End	5682
GI	4378066	Score	2867
Exons	440..4268, 5574..5682		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o4.tm	Method	TBLASTX:Maize
Start	763	End	990
GI	none	Score	192
Exons	763..990		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o2.ts	Method	TBLASTX:Soybean
Start	1046	End	1378
GI	none	Score	58
Exons	1046..1225, 1232..1378, 1233..1364		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o4.tw	Method	TBLASTX:Wheat
Start	1148	End	1537
GI	none	Score	258
Exons	1148..1537		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o3.tm	Method	TBLASTX:Maize
Start	1187	End	1645
GI	none	Score	80
Exons	1187..1645, 1326..1520, 1370..1585		
Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682

Name	OJ000302_24.0413.C16.o2.gs	Method	GENSCAN
Start	1640	End	5633
GI	none	Score	.84
Exons	1640..2205, 2299..4167, 4642..4896, 4947..5237, 5494..5633		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o3.tw	Method	TBLASTX:Wheat
Start	1847	End	2279
GI	none	Score	190
Exons	1847..2278, 1854..2279		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o6.tw	Method	TBLASTX:Wheat
Start	2345	End	2722
GI	none	Score	109
Exons	2345..2470, 2555..2722		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o2.np	Method	AAT/NAP
Start	2523	End	5268
GI	4680183	Score	727
Exons	2523..2607, 3015..3396, 3484..3523, 3977..4491, 4610..5268		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o1.ts	Method	TBLASTX:Soybean
Start	2546	End	2929
GI	none	Score	85
Exons	2546..2929, 2736..2879		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o2.tm	Method	TBLASTX:Maize
Start	2648	End	3031
GI	none	Score	183
Exons	2648..3031, 2661..2921		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o1.tw	Method	TBLASTX:Wheat
Start	2771	End	3190
GI	none	Score	111
Exons	2771..3190, 2772..2945, 3021..3188		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682

Name	OJ000302_24.0413.C16.o1.tm	Method	TBLASTX:Maize
Start	3059	End	3416
GI	none	Score	245
Exons	3059..3415, 3060..3416		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o2.tw	Method	TBLASTX:Wheat
Start	3191	End	3544
GI	none	Score	106
Exons	3191..3484, 3191..3544, 3192..3518, 3215..3301		

Seq. No.	41537	Seq. ID	OJ000302_24.0413.C16
Gene No.	86146	Strand	-
Start	440	End	5682
Name	OJ000302_24.0413.C16.o5.tw	Method	TBLASTX:Wheat
Start	3752	End	4111
GI	none	Score	79
Exons	3752..3973, 3753..3974, 3980..4111		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86147	Strand	+
Start	9456	End	10356
Name	OJ000302_24.0413.C17.o2.np	Method	AAT/NAP
Start	9456	End	10356
GI	7427953	Score	286
Exons	9456..9801, 9840..9995, 10031..10356		
GI Descrip.	probable dihydropteroate synthase (EC 2.5.1.15) - garden pea gi|1934972|emb|CAA69903.1| (Y08611) dihydropterin pyrophosphokinase /dihydropteroate synthase [Pisum sativum]		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86148	Strand	-
Start	2841	End	8478
Name	OJ000302_24.0413.C17.o2.gs	Method	GENSCAN
Start	2841	End	8478
GI	none	Score	.78
Exons	2841..2873, 3273..3304, 3695..3934, 4568..5039, 6155..6807, 6912..7219, 8211..8337, 8415..8478		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86148	Strand	-
Start	2841	End	8478
Name	OJ000302_24.0413.C17.o1.np	Method	AAT/NAP
Start	3624	End	7140
GI	6730638	Score	1113
Exons	3624..3934, 4568..5039, 6155..6807, 6912..7140		
GI Descrip.	(AC008262) F4N2.16 [Arabidopsis thaliana]		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86148	Strand	-
Start	2841	End	8478
Name	OJ000302_24.0413.C17.o1.gp	Method	AAT/GAP
Start	6753	End	7876
GI	none	Score	986
Exons	6753..6807, 6912..7219, 7715..7876		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86149	Strand	-
Start	10037	End	17286
Name	OJ000302_24.0413.C17.o3.gs	Method	GENSCAN
Start	10037	End	16838
GI	none	Score	.85
Exons	10037..10157, 10475..10732, 13434..13558, 13659..13765, 13859..13937, 14026..14112, 14203..14451, 14545..14694, 15535..15621, 15819..16017, 16648..16838		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86149	Strand	-
Start	10037	End	17286
Name	OJ000302_24.0413.C17.o2.gp	Method	AAT/GAP
Start	13115	End	13563
GI	LIB3433-048-P1-K1-G3	Score	606
Exons	13115..13343, 13434..13563		
GI Descrip.	'5921933/sp|Q43147|CP85_LYCES 1.0e-25 CYTOCHROME P450 85 (DWARF PROTEIN) >gi_1421741 (U54770) cytochrome P450 homolog [Lycopersicon esculentum]'		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86149	Strand	-
Start	10037	End	17286
Name	OJ000302_24.0413.C17.o3.np	Method	AAT/NAP
Start	13259	End	17286
GI	5921933	Score	1332
Exons	13259..13343, 13434..13558, 13659..13765, 13859..13937, 14026..14112, 14203..14451, 14545..14694, 15535..15868, 16648..16788, 17234..17286		
GI Descrip.	CYTOCHROME P450 85 (DWARF PROTEIN) gi|1421741 (U54770) cytochrome P450 homolog [Lycopersicon esculentum]		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86149	Strand	-
Start	10037	End	17286
Name	OJ000302_24.0413.C17.o3.gp	Method	AAT/GAP
Start	13520	End	14357
GI	29331_1.R1084	Score	846
Exons	13520..13558, 13659..13765, 13859..13937, 14026..14112, 14203..14357		
GI Descrip.	'1781115/emb|CAB06224| 9.0e-10 (Z83864) glpQ1 [Mycobacterium tuberculosis]'		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o2.tm	Method	TBLASTX:Maize
Start	3458	End	3924
GI	none	Score	47
Exons	3458..3565, 3472..3579, 3476..3565, 3519..3569, 3668..3922, 3672..3923, 3672..3923, 3673..3924		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081

Name	OJ000302_24.0413.C17.o1.tc	Method	TBLASTX:Cress
Start	3732	End	5045
GI	none	Score	54
Exons	3732..3767, 3807..3938, 4566..4610, 4567..4611, 4591..4839, 4602..5045, 4611..4931		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o1.ts	Method	TBLASTX:Soybean
Start	3771	End	4880
GI	none	Score	122
Exons	3771..3938, 4569..4772, 4570..4752, 4815..4880		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o5.tm	Method	TBLASTX:Maize
Start	4563	End	4749
GI	none	Score	88
Exons	4563..4748, 4569..4748, 4570..4749		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o1.tm	Method	TBLASTX:Maize
Start	4749	End	4989
GI	none	Score	256
Exons	4749..4988, 4749..4988, 4756..4989		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o4.tm	Method	TBLASTX:Maize
Start	13256	End	13919
GI	none	Score	71
Exons	13256..13345, 13269..13346, 13451..13552, 13458..13547, 13699..13767, 13701..13772, 13857..13919, 13858..13917		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o2.tc	Method	TBLASTX:Cress
Start	13268	End	14304
GI	none	Score	106
Exons	13268..13345, 13428..13556, 13430..13558, 13659..13778, 13663..13767, 13857..13949, 13858..13947, 14023..14106, 14023..14118, 14206..14304		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o2.ts	Method	TBLASTX:Soybean
Start	14197	End	14454
GI	none	Score	79
Exons	14197..14325, 14203..14445, 14204..14371, 14359..14454		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o3.tm	Method	TBLASTX:Maize
Start	14236	End	14697
GI	none	Score	104
Exons	14236..14445, 14237..14371, 14314..14454, 14540..14695, 14543..14587, 14545..14697		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o3.tc	Method	TBLASTX:Cress
Start	15586	End	16751
GI	none	Score	72
Exons	15586..15882, 16686..16751		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o3.ts	Method	TBLASTX:Soybean
Start	15787	End	16775
GI	none	Score	150
Exons	15787..15870, 16626..16751, 16645..16749, 16746..16775		

Seq. No.	41538	Seq. ID	OJ000302_24.0413.C17
Gene No.	86150	Strand	-
Start	18685	End	19081
Name	OJ000302_24.0413.C17.o4.gs	Method	GENSCAN
Start	18685	End	19081
GI	none	Score	.44
Exons	18685..18803, 18875..19081		

Seq. No.	41539	Seq. ID	OJ000302_24.0413.C18
Gene No.	86151	Strand	-
Start	1547	End	1967
Name	OJ000302_24.0413.C18.o1.gs	Method	GENSCAN
Start	1547	End	1967
GI	none	Score	.66
Exons	1547..1657, 1740..1967		

Seq. No.	41540	Seq. ID	OJ000302_24.0413.C20
Gene No.	86152	Strand	-
Start	49	End	781
Name	OJ000302_24.0413.C20.o1.gp	Method	AAT/GAP
Start	49	End	289
GI	426093	Score	301
Exons	49..289		

Seq. No.	41540	Seq. ID	OJ000302_24.0413.C20
Gene No.	86152	Strand	-
Start	49	End	781
Name	OJ000302_24.0413.C20.o1.gs	Method	GENSCAN
Start	99	End	781
GI	none	Score	.54
Exons	99..300, 735..781		

Seq. No.	41541	Seq. ID	OJ000222_20.0403.C1
Gene No.	86153	Strand	+
Start	673	End	1357
Name	OJ000222_20.0403.C1.o1.gs	Method	GENSCAN
Start	673	End	1357
GI	none	Score	.82
Exons	673..1357		

Seq. No.	41541	Seq. ID	OJ000222_20.0403.C1
Gene No.	86153	Strand	+
Start	673	End	1357
Name	OJ000222_20.0403.C1.o1.gp	Method	AAT/GAP
Start	786	End	1071
GI	2312053	Score	476
Exons	786..1071		

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2
Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o2.tm	Method	TBLASTX:Maize
Start	469	End	778
GI	none	Score	61
Exons	469..540, 480..554, 480..542, 631..774	612..773, 616..774, 629..778,	

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2
Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o1.gs	Method	GENSCAN
Start	475	End	9694
GI	none	Score	.59
Exons	475..540, 632..771, 1537..1663, 2347..2495, 2901..3036, 3388..3472, 3586..3857, 3999..4131, 5938..6072, 6786..7144, 8328..8464, 9589..9694		

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2
Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o3.tm	Method	TBLASTX:Maize
Start	3559	End	3869
GI	none	Score	86
Exons	3559..3690, 3584..3706, 3585..3719, 3704..3856, 3710..3775, 3714..3869		

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2
Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o1.np	Method	AAT/NAP
Start	6818	End	9704
GI	7487328	Score	208
Exons	6818..7144, 8157..8247, 8336..8464, 9376..9483, 9589..9704		
GI Descrip.	hypothetical protein T22A6.300 - Arabidopsis thaliana gi|5051789|emb|CAB45082.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269297|emb|CAB79357.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2

Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	7106	End	9466
GI	none	Score	71
Exons	7106..7147, 8149..8259, 8154..8243, 8155..8256, 8316..8465, 8327..8386, 8352..8465, 9370..9456, 9373..9465, 9392..9466		

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2
Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o1.gp	Method	AAT/GAP
Start	8384	End	9695
GI	23385_1.R1084	Score	546
Exons	8384..8464, 9376..9495, 9589..9695		
GI Descrip.	'5051789/emb|CAB45082.1| 1.0e-25 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	41542	Seq. ID	OJ000222_20.0403.C2
Gene No.	86154	Strand	+
Start	475	End	9704
Name	OJ000222_20.0403.C2.o4.tm	Method	TBLASTX:Maize
Start	9468	End	9703
GI	none	Score	196
Exons	9468..9497, 9586..9687, 9590..9694, 9593..9703		

Seq. No.	41543	Seq. ID	OJ000222_20.0403.C3
Gene No.	86155	Strand	+
Start	205	End	2476
Name	OJ000222_20.0403.C3.o1.gp	Method	AAT/GAP
Start	205	End	788
GI	23385_1.R1084	Score	743
Exons	205..266, 345..433, 509..788		
GI Descrip.	'5051789/emb|CAB45082.1| 1.0e-25 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	41543	Seq. ID	OJ000222_20.0403.C3
Gene No.	86155	Strand	+
Start	205	End	2476
Name	OJ000222_20.0403.C3.o1.gs	Method	GENSCAN
Start	207	End	2463
GI	none	Score	.52
Exons	207..433, 2024..2246, 2341..2463		

Seq. No.	41543	Seq. ID	OJ000222_20.0403.C3
Gene No.	86155	Strand	+
Start	205	End	2476
Name	OJ000222_20.0403.C3.o1.np	Method	AAT/NAP
Start	2317	End	2476
GI	6630729	Score	90
Exons	2317..2476		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86156	Strand	+
Start	1	End	11881
Name	OJ000222_20.0403.C4.o1.np	Method	AAT/NAP

Start	1	End	9972
GI	6630729	Score	2503
Exons	1..23, 1010..1269, 2542..2855, 2886..3122, 3501..4469, 4560..4894, 5695..5973, 6076..6328, 7164..7334, 7427..7519, 7967..8074, 9449..9565, 9651..9740, 9892..9972		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86156	Strand	+
Start	1	End	11881
Name	OJ000222_20.0403.C4.o1.gs	Method	GENSCAN
Start	1143	End	11881
GI	none	Score	.67
Exons	1143..1269, 2542..2826, 3619..4469, 4560..4894, 5695..5973, 6076..6328, 7164..7334, 7427..7519, 7967..8074, 9449..9565, 9651..9740, 9892..9913, 11183..11285, 11668..11881		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86156	Strand	+
Start	1	End	11881
Name	OJ000222_20.0403.C4.o1.gp	Method	AAT/GAP
Start	4585	End	5753
GI	none	Score	714
Exons	4585..4894, 5695..5753		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86156	Strand	+
Start	1	End	11881
Name	OJ000222_20.0403.C4.o2.np	Method	AAT/NAP
Start	5544	End	9972
GI	6630729	Score	1404
Exons	5544..5973, 6076..6328, 7164..7334, 7427..7519, 7967..8074, 9449..9565, 9651..9740, 9892..9972		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86157	Strand	-
Start	11687	End	15917
Name	OJ000222_20.0403.C4.o3.np	Method	AAT/NAP
Start	11687	End	15851
GI	7406392	Score	949
Exons	11687..11877, 12146..12404, 14568..14801, 15465..15851		
GI Descrip.	(AL162873) putative protein [Arabidopsis thaliana]		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86157	Strand	-
Start	11687	End	15917
Name	OJ000222_20.0403.C4.o2.gs	Method	GENSCAN
Start	12104	End	15851
GI	none	Score	.85
Exons	12104..12117, 12146..12404, 14568..14801, 15465..15851		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86157	Strand	-
Start	11687	End	15917
Name	OJ000222_20.0403.C4.o2.gp	Method	AAT/GAP
Start	14629	End	15917

GI	43115_1.R1084	Score	1204
Exons	14629..14801, 15465..15917		
GI Descrip.	'2062167 3.0e-43 (AC001645) Proline-rich protein APG isolog [Arabidopsis thaliana]'		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86158	Strand	-
Start	16510	End	17461
Name	OJ000222_20.0403.C4.o3.gs	Method	GENSCAN
Start	16510	End	17461
GI	none	Score	.63
Exons	16510..16610, 17195..17332, 17413..17461		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86158	Strand	-
Start	16510	End	17461
Name	OJ000222_20.0403.C4.o3.gp	Method	AAT/GAP
Start	16936	End	17424
GI	3766804	Score	916
Exons	16936..17424		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o7.ts	Method	TBLASTX:Soybean
Start	1026	End	2627
GI	none	Score	192
Exons	1026..1265, 2529..2627		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o4.ts	Method	TBLASTX:Soybean
Start	4161	End	4469
GI	none	Score	67
Exons	4161..4280, 4224..4325, 4308..4469, 4316..4417		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o6.ts	Method	TBLASTX:Soybean
Start	4641	End	5838
GI	none	Score	124
Exons	4641..4742, 4665..4793, 4673..4789, 4678..4794, 4851..4895, 5672..5821, 5673..5834, 5689..5838, 5693..5836		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	6086	End	7322
GI	none	Score	303
Exons	6086..6328, 6097..6327, 7161..7322, 7161..7319, 7166..7321		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825

Name	OJ000222_20.0403.C4.o4.tm	Method	TBLASTX:Maize
Start	6248	End	7334
GI	none	Score	120
Exons	6248..6328, 6248..6322, 6249..6323, 7159..7305, 7161..7334, 7163..7330		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	9473	End	9981
GI	none	Score	166
Exons	9473..9568, 9475..9567, 9491..9568, 9632..9739, 9633..9740, 9650..9748, 9651..9749, 9840..9980, 9862..9981, 9879..9980, 9886..9981		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o3.ts	Method	TBLASTX:Soybean
Start	11681	End	12206
GI	none	Score	115
Exons	11681..11878, 11751..11879, 12138..12206		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o2.tc	Method	TBLASTX:Cress
Start	11729	End	12429
GI	none	Score	65
Exons	11729..11830, 11751..11831, 11819..11878, 11829..11879, 12144..12299, 12145..12297, 12321..12422, 12328..12429		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o5.tm	Method	TBLASTX:Maize
Start	11729	End	12299
GI	none	Score	194
Exons	11729..11878, 11748..11882, 11757..11879, 11759..11896, 12138..12299, 12145..12297		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o5.ts	Method	TBLASTX:Soybean
Start	12207	End	14798
GI	none	Score	78
Exons	12207..12299, 12321..12410, 12322..12411, 14568..14798, 14614..14691		

Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o3.tm	Method	TBLASTX:Maize
Start	12349	End	15530
GI	none	Score	78

Exons	12349..12411, 12351..12410, 14553..14807, 14569..14709, 14631..14735, 14758..14802, 15466..15528, 15471..15530		
Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	15469	End	15767
GI	none	Score	67
Exons	15469..15531, 15474..15548, 15537..15644, 15550..15645, 15666..15767, 15667..15759		
Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o2.ts	Method	TBLASTX:Soybean
Start	15474	End	15767
GI	none	Score	58
Exons	15474..15548, 15475..15531, 15532..15648, 15537..15647, 15666..15767, 15667..15756		
Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	15531	End	15767
GI	none	Score	109
Exons	15531..15650, 15550..15651, 15654..15767, 15655..15759		
Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o6.tm	Method	TBLASTX:Maize
Start	17292	End	17464
GI	none	Score	176
Exons	17292..17423, 17292..17462, 17293..17463, 17294..17464		
Seq. No.	41544	Seq. ID	OJ000222_20.0403.C4
Gene No.	86159	Strand	-
Start	18531	End	18825
Name	OJ000222_20.0403.C4.o4.np	Method	AAT/NAP
Start	18531	End	18825
GI	6815099	Score	89
Exons	18531..18825		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	41545	Seq. ID	OJ000222_20.0403.C5
Gene No.	86160	Strand	-
Start	118	End	1188
Name	OJ000222_20.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	1188
GI	none	Score	92
Exons	1..78, 2..88, 5..85, 140..238, 163..243, 164..241, 611..727, 614..721, 788..862, 801..899, 802..906, 803..898, 808..906, 1097..1183, 1100..1186, 1102..1188		
Seq. No.	41545	Seq. ID	OJ000222_20.0403.C5

Gene No.	86160	Strand	-
Start	118	End	1188
Name	OJ000222_20.0403.C5.o1.gs	Method	GENSCAN
Start	118	End	1183
GI	none	Score	.76
Exons	118..241, 614..720, 799..909, 1102..1183		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86161	Strand	+
Start	246	End	385
Name	OJ000222_20.0403.C6.o1.gp	Method	AAT/GAP
Start	246	End	385
GI	none	Score	233
Exons	246..385		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86162	Strand	+
Start	8550	End	9572
Name	OJ000222_20.0403.C6.o2.gs	Method	GENSCAN
Start	8550	End	9572
GI	none	Score	.88
Exons	8550..8708, 9132..9461, 9471..9572		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86163	Strand	-
Start	258	End	7893
Name	OJ000222_20.0403.C6.o1.gs	Method	GENSCAN
Start	258	End	7893
GI	none	Score	.92
Exons	258..436, 1122..1164, 1304..1375, 1762..1854, 2079..2237, 2323..2508, 3290..3361, 3641..3715, 4288..4505, 5388..5493, 5603..5713, 5816..5983, 6280..6433, 6534..6600, 6763..7105, 7402..7466, 7547..7722, 7871..7893		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86163	Strand	-
Start	258	End	7893
Name	OJ000222_20.0403.C6.o1.np	Method	AAT/NAP
Start	1304	End	7861
GI	2459424	Score	315
Exons	1304..1375, 1762..1854, 2079..2228, 2314..2514, 3287..3352, 4043..4148, 4274..4350, 4399..4505, 5068..5188, 5284..5469, 5594..5713, 5816..5983, 7794..7861		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86163	Strand	-
Start	258	End	7893
Name	OJ000222_20.0403.C6.o2.gp	Method	AAT/GAP
Start	4044	End	5122
GI	3766803	Score	495
Exons	4044..4071, 4287..4518, 5087..5122		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o3.tm	Method	TBLASTX:Maize

Start	249	End	2364
GI	none	Score	207
Exons	249..437, 252..437, 259..438, 280..438, 710..799, 710..799, 714..809, 1304..1396, 1304..1378, 1754..1855, 1759..1869, 1761..1865, 2076..2231, 2076..2237, 2086..2235, 2098..2238, 2302..2364, 2323..2364		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	4292	End	5654
GI	none	Score	329
Exons	4292..4522, 4293..4523, 4294..4521, 4298..4525, 5080..5157, 5087..5191, 5087..5191, 5282..5494, 5284..5493, 5597..5653, 5598..5654		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	5305	End	5984
GI	none	Score	167
Exons	5305..5493, 5309..5494, 5592..5762, 5597..5713, 5763..5984, 5804..5983		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	5654	End	5975
GI	none	Score	110
Exons	5654..5713, 5655..5762, 5804..5974, 5817..5975		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	6563	End	6976
GI	none	Score	227
Exons	6563..6601, 6749..6976, 6749..6949, 6760..6975		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	7536	End	7730
GI	none	Score	92
Exons	7536..7730, 7549..7662, 7557..7721		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o2.np	Method	AAT/NAP
Start	9197	End	9617
GI	544018	Score	363
Exons	9197..9617		

GI Descrip.	NITRATE/CHLORATE TRANSPORTER gi|1076359|pir||A45772 nitrate-inducible nitrate transporter - Arabidopsis thaliana gi|166668 (L10357) CHL1 [Arabidopsis thaliana] gi|3157921 (AC002131) Identical to nitrate/chlorate transporter cDNA gb|L10357 from A. thaliana. ESTs gb|H37533 and gb|R29790, gb|T46117, gb|T46068, gb|T75688, gb|R29817, gb|R29862, gb|Z34634 and gb|Z34258		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	9202	End	9617
GI	none	Score	40
Exons	9202..9231, 9209..9232, 9241..9279, 9294..9464, 9301..9612, 9303..9617		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o5.tm	Method	TBLASTX:Maize
Start	9280	End	9542
GI	none	Score	166
Exons	9280..9489, 9286..9525, 9297..9542		

Seq. No.	41546	Seq. ID	OJ000222_20.0403.C6
Gene No.	86164	Strand	-
Start	9197	End	9617
Name	OJ000222_20.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	9324	End	9542
GI	none	Score	242
Exons	9324..9542		

Seq. No.	41547	Seq. ID	OJ000222_20.0403.C7
Gene No.	86165	Strand	+
Start	74	End	2202
Name	OJ000222_20.0403.C7.o1.gs	Method	GENSCAN
Start	74	End	2202
GI	none	Score	.71
Exons	74..143, 585..697, 1011..1223, 1426..1528, 1721..2202		

Seq. No.	41547	Seq. ID	OJ000222_20.0403.C7
Gene No.	86165	Strand	+
Start	74	End	2202
Name	OJ000222_20.0403.C7.o2.np	Method	AAT/NAP
Start	767	End	865
GI	5777617	Score	77
Exons	767..865		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41547	Seq. ID	OJ000222_20.0403.C7
Gene No.	86165	Strand	+
Start	74	End	2202
Name	OJ000222_20.0403.C7.o5.np	Method	AAT/NAP
Start	1577	End	2103
GI	5042438	Score	131
Exons	1577..2103		

GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		
Seq. No.	41547	Seq. ID	OJ000222_20.0403.C7
Gene No.	86166	Strand	-
Start	1	End	333
Name	OJ000222_20.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	333
GI	602292	Score	103
Exons	1..160, 270..333		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		
Seq. No.	41547	Seq. ID	OJ000222_20.0403.C7
Gene No.	86167	Strand	-
Start	867	End	2275
Name	OJ000222_20.0403.C7.o3.np	Method	AAT/NAP
Start	867	End	2275
GI	6006372	Score	72
Exons	867..1058, 2195..2275		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86168	Strand	+
Start	534	End	604
Name	OJ000222_20.0403.C8.o1.gs	Method	GENSCAN
Start	534	End	604
GI	none	Score	.89
Exons	534..604		
Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86169	Strand	+
Start	5904	End	6899
Name	OJ000222_20.0403.C8.o3.gs	Method	GENSCAN
Start	5904	End	6899
GI	none	Score	.76
Exons	5904..6289, 6806..6899		
Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86170	Strand	+
Start	7901	End	8776
Name	OJ000222_20.0403.C8.o4.gs	Method	GENSCAN
Start	7901	End	8776
GI	none	Score	1
Exons	7901..8776		
Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86171	Strand	+
Start	11845	End	13166
Name	OJ000222_20.0403.C8.o5.gs	Method	GENSCAN
Start	11845	End	13166
GI	none	Score	.98
Exons	11845..12535, 13048..13166		
Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86172	Strand	+
Start	17190	End	23186
Name	OJ000222_20.0403.C8.o2.np	Method	AAT/NAP
Start	17190	End	23186

GI	6466937	Score	2306
Exons	17190..17220, 18952..23186		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86173	Strand	-
Start	112	End	249
Name	OJ000222_20.0403.C8.o1.np	Method	AAT/NAP
Start	112	End	249
GI	5777617	Score	81
Exons	112..249		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86174	Strand	-
Start	13592	End	18648
Name	OJ000222_20.0403.C8.o6.gs	Method	GENSCAN
Start	13592	End	18648
GI	none	Score	.68
Exons	13592..13690, 14049..14220, 14578..14701, 15344..15773, 17672..17793, 17835..17880, 17886..17916, 18017..18122, 18531..18648		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o6.tm	Method	TBLASTX:Maize
Start	14691	End	15153
GI	none	Score	135
Exons	14691..14813, 14692..14844, 14844..15149, 14845..15153		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o7.tw	Method	TBLASTX:Wheat
Start	14982	End	15159
GI	none	Score	196
Exons	14982..15131, 14983..15159, 14983..15132		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o6.tw	Method	TBLASTX:Wheat
Start	15198	End	15507
GI	none	Score	64
Exons	15198..15503, 15199..15378, 15403..15507		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o7.tm	Method	TBLASTX:Maize
Start	19770	End	20099
GI	none	Score	240
Exons	19770..20099, 19904..20047		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8

Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o4.tm	Method	TBLASTX:Maize
Start	20148	End	20690
GI	none	Score	446
Exons	20148..20690, 20258..20668, 20370..20690		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o4.tw	Method	TBLASTX:Wheat
Start	20313	End	20795
GI	none	Score	306
Exons	20313..20795, 20321..20674, 20442..20762		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o5.ts	Method	TBLASTX:Soybean
Start	20352	End	20554
GI	none	Score	196
Exons	20352..20543, 20375..20554, 20423..20551		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	20768	End	21130
GI	none	Score	302
Exons	20768..21130, 20772..21119		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o3.tw	Method	TBLASTX:Wheat
Start	20847	End	21245
GI	none	Score	311
Exons	20847..21245, 20876..21196		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	20871	End	21395
GI	none	Score	648
Exons	20871..21356, 20874..21395, 20876..21391		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o4.ts	Method	TBLASTX:Soybean
Start	21156	End	21398
GI	none	Score	212
Exons	21156..21398		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-

Start	25075	End	25564
Name	OJ000222_20.0403.C8.o5.tm	Method	TBLASTX:Maize
Start	21396	End	21821
GI	none	Score	209
Exons	21396..21599, 21398..21586, 21591..21821, 21596..21787		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	21594	End	21989
GI	none	Score	383
Exons	21594..21989, 21698..21988		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	21822	End	22457
GI	none	Score	745
Exons	21822..22457, 21923..22456, 21948..22457		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	21858	End	22229
GI	none	Score	341
Exons	21858..22229, 21875..22138		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o5.tw	Method	TBLASTX:Wheat
Start	22077	End	22469
GI	none	Score	277
Exons	22077..22469, 22172..22456		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	22461	End	23180
GI	none	Score	360
Exons	22461..22829, 22562..22819, 22863..23081, 22910..23107, 23109..23180, 23123..23179		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o2.tw	Method	TBLASTX:Wheat
Start	22527	End	22850
GI	none	Score	325
Exons	22527..22850, 22541..22837		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-

Start	25075	End	25564
Name	OJ000222_20.0403.C8.o8.gs	Method	GENSCAN
Start	25075	End	25527
GI	none	Score	1
Exons	25075..25527		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o3.ts	Method	TBLASTX:Soybean
Start	25084	End	25564
GI	none	Score	56
Exons	25084..25293, 25100..25249, 25360..25563, 25364..25564		

Seq. No.	41548	Seq. ID	OJ000222_20.0403.C8
Gene No.	86175	Strand	-
Start	25075	End	25564
Name	OJ000222_20.0403.C8.o8.tm	Method	TBLASTX:Maize
Start	25087	End	25564
GI	none	Score	61
Exons	25087..25317, 25208..25318, 25360..25563, 25363..25500, 25364..25564		

Seq. No.	41549	Seq. ID	OJ000222_20.0403.C9
Gene No.	86176	Strand	-
Start	1	End	1014
Name	OJ000222_20.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	1014
GI	6978038	Score	95
Exons	1..27, 316..744, 907..1014		
GI Descrip.	(AF190130) taxadienol acetyl transferase [Taxus cuspidata]		

Seq. No.	41549	Seq. ID	OJ000222_20.0403.C9
Gene No.	86176	Strand	-
Start	1	End	1014
Name	OJ000222_20.0403.C9.o1.gs	Method	GENSCAN
Start	76	End	813
GI	none	Score	.9
Exons	76..813		

Seq. No.	41549	Seq. ID	OJ000222_20.0403.C9
Gene No.	86177	Strand	-
Start	8344	End	9588
Name	OJ000222_20.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	22	End	403
GI	none	Score	122
Exons	22..96, 169..276, 292..402, 293..403		

Seq. No.	41549	Seq. ID	OJ000222_20.0403.C9
Gene No.	86177	Strand	-
Start	8344	End	9588
Name	OJ000222_20.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	442	End	814
GI	none	Score	37
Exons	442..480, 449..478, 541..741, 544..729, 566..739, 745..813, 773..814		

Seq. No.	41549	Seq. ID	OJ000222_20.0403.C9
Gene No.	86177	Strand	-
Start	8344	End	9588
Name	OJ000222_20.0403.C9.o2.np	Method	AAT/NAP
Start	8344	End	9588
GI	6815099	Score	95
Exons	8344..8478, 9563..9588		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41550	Seq. ID	OJ000222_20.0403.C10
Gene No.	86178	Strand	+
Start	434	End	1451
Name	OJ000222_20.0403.C10.o1.gs	Method	GENSCAN
Start	434	End	1451
GI	none	Score	.94
Exons	434..635, 1333..1451		

Seq. No.	41550	Seq. ID	OJ000222_20.0403.C10
Gene No.	86179	Strand	-
Start	2527	End	4800
Name	OJ000222_20.0403.C10.o2.gs	Method	GENSCAN
Start	2527	End	4800
GI	none	Score	.7
Exons	2527..2660, 4288..4344, 4491..4800		

Seq. No.	41550	Seq. ID	OJ000222_20.0403.C10
Gene No.	86179	Strand	-
Start	2527	End	4800
Name	OJ000222_20.0403.C10.o1.np	Method	AAT/NAP
Start	4303	End	4800
GI	7523517	Score	281
Exons	4303..4340, 4491..4800		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41551	Seq. ID	OJ000222_20.0403.C11
Gene No.	86180	Strand	+
Start	646	End	1508
Name	OJ000222_20.0403.C11.o1.gs	Method	GENSCAN
Start	646	End	1508
GI	none	Score	.95
Exons	646..846, 1503..1508		

Seq. No.	41552	Seq. ID	OJ000222_20.0403.C13
Gene No.	86181	Strand	+
Start	2037	End	8335
Name	OJ000222_20.0403.C13.o1.gs	Method	GENSCAN
Start	2037	End	8335
GI	none	Score	.48
Exons	2037..2193, 2298..2827, 2935..2989, 3972..4042, 4578..4663, 4764..4854, 5303..5433, 5981..6102, 6315..6425, 6614..6659, 6710..6817, 8087..8169, 8286..8335		

Seq. No.	41552	Seq. ID	OJ000222_20.0403.C13
Gene No.	86181	Strand	+
Start	2037	End	8335
Name	OJ000222_20.0403.C13.o1.gp	Method	AAT/GAP
Start	4572	End	6841

GI	11159_1.R1084	Score	1064
Exons	4572..4663, 4764..4854, 5303..5371, 6103..6183, 6260..6425, 6614..6659, 6737..6841		
GI Descrip.	'2264315/dbj|AB005243.1|AB005243 5.0e-11 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MRN17, complete sequence'		

Seq. No.	41552	Seq. ID	OJ000222_20.0403.C13
Gene No.	86182	Strand	-
Start	9580	End	10003
Name	OJ000222_20.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	4761	End	6403
GI	none	Score	75
Exons	4761..4856, 4763..4855, 4764..4856, 4765..4857, 5289..5372, 5291..5377, 5297..5377, 6092..6184, 6097..6183, 6099..6185, 6099..6188, 6103..6186, 6259..6399, 6260..6400, 6260..6403		

Seq. No.	41552	Seq. ID	OJ000222_20.0403.C13
Gene No.	86182	Strand	-
Start	9580	End	10003
Name	OJ000222_20.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	6265	End	8165
GI	none	Score	206
Exons	6265..6438, 6266..6424, 6735..6821, 6735..6803, 8127..8165		

Seq. No.	41552	Seq. ID	OJ000222_20.0403.C13
Gene No.	86182	Strand	-
Start	9580	End	10003
Name	OJ000222_20.0403.C13.o2.gs	Method	GENSCAN
Start	9580	End	10003
GI	none	Score	.82
Exons	9580..9673, 9981..10003		

Seq. No.	41553	Seq. ID	OJ000222_20.0403.C14
Gene No.	86183	Strand	+
Start	202	End	287
Name	OJ000222_20.0403.C14.o1.gs	Method	GENSCAN
Start	202	End	287
GI	none	Score	.9
Exons	202..287		

Seq. No.	41553	Seq. ID	OJ000222_20.0403.C14
Gene No.	86184	Strand	-
Start	1791	End	1811
Name	OJ000222_20.0403.C14.o2.gs	Method	GENSCAN
Start	1791	End	1811
GI	none	Score	.58
Exons	1791..1811		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86185	Strand	-
Start	1	End	6450
Name	OJ000222_20.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	5626
GI	6466937	Score	2295
Exons	1..3963, 5594..5626		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86185	Strand	-
Start	1	End	6450
Name	OJ000222_20.0403.C15.o2.gs	Method	GENSCAN
Start	3235	End	6450
GI	none	Score	.56
Exons	3235..3719, 4008..4280, 4372..4703, 5744..5838, 6445..6450		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86185	Strand	-
Start	1	End	6450
Name	OJ000222_20.0403.C15.o2.np	Method	AAT/NAP
Start	5760	End	5907
GI	6630697	Score	83
Exons	5760..5907		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o4.tm	Method	TBLASTX:Maize
Start	5	End	373
GI	none	Score	259
Exons	5..373		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o1.tw	Method	TBLASTX:Wheat
Start	167	End	760
GI	none	Score	249
Exons	167..313, 380..760		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	380	End	1015
GI	none	Score	338
Exons	380..1015, 429..920		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o2.ts	Method	TBLASTX:Soybean
Start	608	End	979
GI	none	Score	152
Exons	608..979, 618..953		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o3.tw	Method	TBLASTX:Wheat
Start	848	End	1264
GI	none	Score	93
Exons	848..1135, 849..1016, 860..1042, 1151..1264		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o4.tw	Method	TBLASTX:Wheat
Start	1265	End	1681
GI	none	Score	215
Exons	1265..1681		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o3.tm	Method	TBLASTX:Maize
Start	1394	End	1960
GI	none	Score	74
Exons	1394..1720, 1455..1598, 1709..1960, 1710..1952		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o4.ts	Method	TBLASTX:Soybean
Start	1433	End	1678
GI	none	Score	66
Exons	1433..1678, 1527..1598		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o1.ts	Method	TBLASTX:Soybean
Start	1703	End	2056
GI	none	Score	99
Exons	1703..2056, 1704..1964		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o2.tw	Method	TBLASTX:Wheat
Start	1811	End	2122
GI	none	Score	57
Exons	1811..2119, 1815..1928, 1817..2122		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o2.tm	Method	TBLASTX:Maize
Start	1979	End	2463
GI	none	Score	99
Exons	1979..2284, 2076..2258, 2266..2463, 2267..2377		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o3.ts	Method	TBLASTX:Soybean
Start	2275	End	2475
GI	none	Score	201
Exons	2275..2475		

Seq. No.	41554	Seq. ID	OJ000222_20.0403.C15
Gene No.	86186	Strand	-
Start	9336	End	9830
Name	OJ000222_20.0403.C15.o3.gs	Method	GENSCAN
Start	9336	End	9830
GI	none	Score	.75
Exons	9336..9830		

Seq. No.	41555	Seq. ID	OJ000222_20.0403.C16
Gene No.	86187	Strand	-
Start	743	End	1559
Name	OJ000222_20.0403.C16.o1.gs	Method	GENSCAN
Start	743	End	1559
GI	none	Score	.82
Exons	743..816, 1325..1481, 1521..1559		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86188	Strand	+
Start	11322	End	19682
Name	OJ000322_15.0413.C1.o1.np	Method	AAT/NAP
Start	11322	End	15813
GI	7340909	Score	169
Exons	11322..11393, 12779..13130, 15644..15813		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86188	Strand	+
Start	11322	End	19682
Name	OJ000322_15.0413.C1.o4.gs	Method	GENSCAN
Start	15597	End	19682
GI	none	Score	.56
Exons	15597..15722, 15757..15816, 16109..16268, 16543..16824, 17540..17706, 17963..18074, 18351..18461, 18610..18732, 19240..19358, 19485..19682		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86189	Strand	-
Start	382	End	3935
Name	OJ000322_15.0413.C1.o1.gs	Method	GENSCAN
Start	382	End	3935
GI	none	Score	.53
Exons	382..669, 773..949, 1735..1827, 2908..3018, 3132..3462, 3586..3935		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86190	Strand	-
Start	16168	End	19146
Name	OJ000322_15.0413.C1.o2.np	Method	AAT/NAP
Start	16168	End	19034
GI	5922608	Score	150
Exons	16168..16371, 17090..17249, 17409..17529, 18967..19034		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86190	Strand	-
Start	16168	End	19146
Name	OJ000322_15.0413.C1.o3.np	Method	AAT/NAP

Start	17838	End	19146
GI	5777617	Score	81
Exons	17838..17949, 19083..19146		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86191	Strand	-
Start	23721	End	23975
Name	OJ000322_15.0413.C1.o2.ts	Method	TBLASTX:Soybean
Start	397	End	627
GI	none	Score	172
Exons	397..627, 407..595		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86191	Strand	-
Start	23721	End	23975
Name	OJ000322_15.0413.C1.o1.ts	Method	TBLASTX:Soybean
Start	1738	End	2070
GI	none	Score	271
Exons	1738..2070, 1745..2068		

Seq. No.	41556	Seq. ID	OJ000322_15.0413.C1
Gene No.	86191	Strand	-
Start	23721	End	23975
Name	OJ000322_15.0413.C1.o5.gs	Method	GENSCAN
Start	23721	End	23975
GI	none	Score	.57
Exons	23721..23975		

Seq. No.	41557	Seq. ID	OJ000322_15.0413.C2
Gene No.	86192	Strand	-
Start	595	End	789
Name	OJ000322_15.0413.C2.o1.gs	Method	GENSCAN
Start	595	End	789
GI	none	Score	.78
Exons	595..789		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86193	Strand	+
Start	1070	End	14123
Name	OJ000322_15.0413.C3.o1.gs	Method	GENSCAN
Start	1070	End	4107
GI	none	Score	.41
Exons	1070..1267, 2846..3014, 3220..3279, 3500..3671, 3725..3872, 3877..4001, 4068..4107		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86193	Strand	+
Start	1070	End	14123
Name	OJ000322_15.0413.C3.o2.np	Method	AAT/NAP
Start	2934	End	14123
GI	7339707	Score	116
Exons	2934..3049, 4215..4315, 5164..5251, 5528..5620, 9897..10100, 13073..13169, 13200..13368, 13881..14123		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3

Gene No.	86193	Strand	+
Start	1070	End	14123
Name	OJ000322_15.0413.C3.o1.np	Method	AAT/NAP
Start	4922	End	6112
GI	7487940	Score	1273
Exons	4922..6112		
GI Descrip.	leucine-rich repeat protein F21B7.28 - Arabidopsis thaliana gi|2809259|gb|AAB97719.1| (AC002560) F21B7.28 [Arabidopsis thaliana]		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86193	Strand	+
Start	1070	End	14123
Name	OJ000322_15.0413.C3.o2.gs	Method	GENSCAN
Start	4934	End	6115
GI	none	Score	.63
Exons	4934..6115		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86193	Strand	+
Start	1070	End	14123
Name	OJ000322_15.0413.C3.o4.gs	Method	GENSCAN
Start	9717	End	14083
GI	none	Score	.43
Exons	9717..10368, 10456..10508, 11082..11440, 11467..11759, 11896..12039, 12166..12257, 12442..12990, 13180..13368, 13886..14083		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86194	Strand	-
Start	7140	End	7613
Name	OJ000322_15.0413.C3.o3.gs	Method	GENSCAN
Start	7140	End	7613
GI	none	Score	.95
Exons	7140..7230, 7510..7613		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86195	Strand	-
Start	11995	End	12093
Name	OJ000322_15.0413.C3.o1.gp	Method	AAT/GAP
Start	11995	End	12093
GI	3761204	Score	109
Exons	11995..12093		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86196	Strand	-
Start	13521	End	14220
Name	OJ000322_15.0413.C3.o2.gp	Method	AAT/GAP
Start	13521	End	14220
GI	none	Score	920
Exons	13521..13661, 13875..14220		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o4.tm	Method	TBLASTX:Maize
Start	4931	End	5254

GI	none	Score	189
Exons	4931..5134, 4952..5131, 5147..5203, 5204..5254, 5210..5254		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o1.tc	Method	TBLASTX:Cress
Start	4985	End	5422
GI	none	Score	488
Exons	4985..5137, 4987..5175, 4988..5353, 5252..5422, 5293..5352		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o1.ts	Method	TBLASTX:Soybean
Start	4988	End	5410
GI	none	Score	431
Exons	4988..5338, 4993..5175, 5258..5410		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o1.tm	Method	TBLASTX:Maize
Start	5291	End	5866
GI	none	Score	82
Exons	5291..5416, 5294..5434, 5353..5502, 5356..5859, 5357..5857, 5684..5866		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o2.tm	Method	TBLASTX:Maize
Start	5866	End	6236
GI	none	Score	363
Exons	5866..6111, 5867..6136, 5946..6116, 6206..6229, 6207..6236		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o3.gp	Method	AAT/GAP
Start	14308	End	16560
GI	95672_1.R1084	Score	1082
Exons	14308..14735, 16309..16369, 16481..16560		
GI Descrip.	'3122313/sp|O24467|L14B_PRUAR 2.0e-30 LEC14B HOMOLOG >gi_2351587 (U82760) LEC14B homolog [Prunus armeniaca]'		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o3.np	Method	AAT/NAP
Start	14563	End	16819
GI	3122326	Score	419
Exons	14563..14735, 16309..16369, 16481..16639, 16718..16819		
GI Descrip.	LEC14B PROTEIN gi|1181604|dbj|BAA11768.1| (D83074) LEC14B protein [Lithospermum erythrorhizon]		
Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3

Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o3.tm	Method	TBLASTX:Maize
Start	14608	End	16614
GI	none	Score	118
Exons	14608..14691, 14609..14698, 14610..14702, 14706..14735, 14710..14736, 16306..16374, 16307..16387, 16481..16573, 16483..16614		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o2.ts	Method	TBLASTX:Soybean
Start	14613	End	16816
GI	none	Score	87
Exons	14613..14702, 14614..14682, 16296..16370, 16306..16374, 16481..16564, 16483..16626, 16718..16816, 16724..16801, 16726..16815		

Seq. No.	41558	Seq. ID	OJ000322_15.0413.C3
Gene No.	86197	Strand	-
Start	14308	End	16819
Name	OJ000322_15.0413.C3.o5.gs	Method	GENSCAN
Start	15654	End	16755
GI	none	Score	.79
Exons	15654..15674, 16309..16369, 16718..16755		

Seq. No.	41559	Seq. ID	OJ000322_15.0413.C5
Gene No.	86198	Strand	-
Start	1	End	710
Name	OJ000322_15.0413.C5.o1.np	Method	AAT/NAP
Start	1	End	710
GI	2506789	Score	79
Exons	1..37, 510..571, 602..710		
GI Descrip.	HYPOTHETICAL 33.8 KD PROTEIN IN LEUS-GLTL INTERGENIC REGION gi|7449091|pir||A64800 purine nucleosidase-related protein ybeK - Escherichia coli gi|1778569|gb|AAB40852.1| (U82598) YaaF homolog [Escherichia coli] gi|1786871|gb|AAC73752.1| (AE000169) putative tRNA synthetase [Escherichia coli] gi|4062271|dbj|BAA35303.1| (D90705) Hypothetical protein in gltL 3'region .		

Seq. No.	41559	Seq. ID	OJ000322_15.0413.C5
Gene No.	86198	Strand	-
Start	1	End	710
Name	OJ000322_15.0413.C5.o1.gs	Method	GENSCAN
Start	518	End	673
GI	none	Score	.9
Exons	518..673		

Seq. No.	41560	Seq. ID	OJ000322_15.0413.C6
Gene No.	86199	Strand	-
Start	1	End	4664
Name	OJ000322_15.0413.C6.o1.np	Method	AAT/NAP
Start	1	End	4529
GI	2506789	Score	87
Exons	1..97, 3010..3252, 3450..3520, 4348..4529		

GI Descrip. HYPOTHETICAL 33.8 KD PROTEIN IN LEUS-GLTL INTERGENIC REGION gi|7449091|pir||A64800 purine nucleosidase-related protein ybeK - Escherichia coli gi|1778569|gb|AAB40852.1| (U82598) YaaF homolog [Escherichia coli] gi|1786871|gb|AAC73752.1| (AE000169) putative tRNA synthetase [Escherichia coli] gi|4062271|dbj|BAA35303.1| (D90705) Hypothetical protein in gltL 3'region .

Seq. No.	41560	Seq. ID	OJ000322_15.0413.C6
Gene No.	86199	Strand	-
Start	1	End	4664
Name	OJ000322_15.0413.C6.o1.gs	Method	GENSCAN
Start	267	End	4664
GI	none	Score	.63
Exons	267..453, 591..826, 974..1171, 1310..1432, 1951..2151, 2324..2464, 3036..3215, 3603..3785, 4431..4664		

Seq. No.	41560	Seq. ID	OJ000322_15.0413.C6
Gene No.	86200	Strand	-
Start	6337	End	7915
Name	OJ000322_15.0413.C6.o1.tc	Method	TBLASTX:Cress
Start	12	End	350
GI	none	Score	62
Exons	12..65, 63..188, 67..123, 276..350		

Seq. No.	41560	Seq. ID	OJ000322_15.0413.C6
Gene No.	86200	Strand	-
Start	6337	End	7915
Name	OJ000322_15.0413.C6.o1.ts	Method	TBLASTX:Soybean
Start	1331	End	2079
GI	none	Score	75
Exons	1331..1432, 1365..1436, 1895..1957, 1896..1952, 1951..2079, 1955..2056, 1963..2079		

Seq. No.	41560	Seq. ID	OJ000322_15.0413.C6
Gene No.	86200	Strand	-
Start	6337	End	7915
Name	OJ000322_15.0413.C6.o2.ts	Method	TBLASTX:Soybean
Start	2940	End	3215
GI	none	Score	90
Exons	2940..3014, 3018..3215, 3019..3204		

Seq. No.	41560	Seq. ID	OJ000322_15.0413.C6
Gene No.	86200	Strand	-
Start	6337	End	7915
Name	OJ000322_15.0413.C6.o2.gs	Method	GENSCAN
Start	6337	End	7915
GI	none	Score	.84
Exons	6337..6535, 7878..7915		

Seq. No.	41561	Seq. ID	OJ000322_15.0413.C15
Gene No.	86201	Strand	-
Start	1	End	711
Name	OJ000322_15.0413.C15.o1.np	Method	AAT/NAP
Start	1	End	711
GI	5091513	Score	944
Exons	1..711		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	41561	Seq. ID	OJ000322_15.0413.C15
Gene No.	86201	Strand	-
Start	1	End	711
Name	OJ000322_15.0413.C15.o1.gs	Method	GENSCAN
Start	14	End	568
GI	none	Score	.74
Exons	14..568		

Seq. No.	41562	Seq. ID	OJ000322_15.0413.C16
Gene No.	86202	Strand	+
Start	1	End	858
Name	OJ000322_15.0413.C16.o1.np	Method	AAT/NAP
Start	1	End	611
GI	4966372	Score	160
Exons	1..57, 297..400, 522..611		

GI Descrip. (AC006341) ESTs gb|N38586 and gb|N38613 come from this gene. [Arabidopsis thaliana]

Seq. No.	41562	Seq. ID	OJ000322_15.0413.C16
Gene No.	86202	Strand	+
Start	1	End	858
Name	OJ000322_15.0413.C16.o1.gp	Method	AAT/GAP
Start	319	End	858
GI	3695_1.R1084	Score	792
Exons	319..400, 522..858		

GI Descrip. '2244910/emb|CAB10332.1| 5.0e-28 (Z97339) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	41562	Seq. ID	OJ000322_15.0413.C16
Gene No.	86202	Strand	+
Start	1	End	858
Name	OJ000322_15.0413.C16.o1.gs	Method	GENSCAN
Start	522	End	614
GI	none	Score	.68
Exons	522..614		

Seq. No.	41562	Seq. ID	OJ000322_15.0413.C16
Gene No.	86203	Strand	+
Start	1042	End	1115
Name	OJ000322_15.0413.C16.o2.gp	Method	AAT/GAP
Start	1042	End	1115
GI	80488_1.R1084	Score	124
Exons	1042..1115		

GI Descrip. '4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'

Seq. No.	41563	Seq. ID	OJ000322_15.0413.C17
Gene No.	86204	Strand	-
Start	1	End	774
Name	OJ000322_15.0413.C17.o1.np	Method	AAT/NAP
Start	1	End	774
GI	5091513	Score	1353
Exons	1..774		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	41563	Seq. ID	OJ000322_15.0413.C17
Gene No.	86204	Strand	-
Start	1	End	774
Name	OJ000322_15.0413.C17.o1.gs	Method	GENSCAN
Start	61	End	744
GI	none	Score	.56
Exons	61..744		

Seq. No.	41564	Seq. ID	OJ000322_15.0413.C22
Gene No.	86205	Strand	+
Start	2609	End	6327
Name	OJ000322_15.0413.C22.o1.gp	Method	AAT/GAP
Start	2609	End	2857
GI	3761181	Score	417
Exons	2609..2857		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41564	Seq. ID	OJ000322_15.0413.C22
Gene No.	86205	Strand	+
Start	2609	End	6327
Name	OJ000322_15.0413.C22.o1.np	Method	AAT/NAP
Start	2755	End	6327
GI	7106512	Score	3105
Exons	2755..2814, 2888..4396, 4931..5899, 5954..6327		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41564	Seq. ID	OJ000322_15.0413.C22
Gene No.	86206	Strand	+
Start	8506	End	9342
Name	OJ000322_15.0413.C22.o2.gp	Method	AAT/GAP
Start	8506	End	8754
GI	3761181	Score	422
Exons	8506..8754		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41564	Seq. ID	OJ000322_15.0413.C22
Gene No.	86206	Strand	+
Start	8506	End	9342
Name	OJ000322_15.0413.C22.o2.np	Method	AAT/NAP
Start	8652	End	9342
GI	7106512	Score	120
Exons	8652..8711, 8785..8832, 9156..9342		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41564	Seq. ID	OJ000322_15.0413.C22
Gene No.	86207	Strand	-
Start	8879	End	8952
Name	OJ000322_15.0413.C22.o3.gs	Method	GENSCAN
Start	8879	End	8952
GI	none	Score	.95
Exons	8879..8952		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23

Gene No.	86208	Strand	+
Start	133	End	2144
Name	OJ000322_15.0413.C23.o1.gp	Method	AAT/GAP
Start	133	End	1249
GI	5038674	Score	928
Exons	133..475, 1119..1249		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86208	Strand	+
Start	133	End	2144
Name	OJ000322_15.0413.C23.o1.gs	Method	GENSCAN
Start	437	End	2144
GI	none	Score	.93
Exons	437..475, 1119..2144		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86208	Strand	+
Start	133	End	2144
Name	OJ000322_15.0413.C23.o1.np	Method	AAT/NAP
Start	437	End	2135
GI	6729022	Score	1090
Exons	437..475, 1119..2135		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86208	Strand	+
Start	133	End	2144
Name	OJ000322_15.0413.C23.o2.gp	Method	AAT/GAP
Start	1258	End	1694
GI	uC-osroM202019g02a1	Score	870
Exons	1258..1694		
GI Descrip.	'5668813/gb|AAD46039.1|AC007519_24 1.0e-17 (AC007519) Similar to gb_X77136 HSR203J protein from Nicotiana tabacum and is a member of the PF_00135 Carboxylesterase family. ESTs gb_Z25688 and gb_F14025 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86209	Strand	-
Start	2238	End	2811
Name	OJ000322_15.0413.C23.o3.gp	Method	AAT/GAP
Start	2238	End	2811
GI	55480_1.R1084	Score	1105
Exons	2238..2811		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o2.tm	Method	TBLASTX:Maize
Start	434	End	1592
GI	none	Score	74
Exons	434..475, 1116..1178, 1121..1225, 1124..1297, 1146..1325, 1278..1322, 1365..1592, 1367..1591		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-

Start	4225	End	6091
Name	OJ000322_15.0413.C23.o1.tc	Method	TBLASTX:Cress
Start	1118	End	1886
GI	none	Score	206
Exons	1118..1291, 1146..1325, 1367..1885, 1368..1886		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o2.ts	Method	TBLASTX:Soybean
Start	1118	End	1325
GI	none	Score	201
Exons	1118..1279, 1146..1325		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o1.ts	Method	TBLASTX:Soybean
Start	1430	End	2132
GI	none	Score	844
Exons	1430..1960, 1431..2132		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o1.tm	Method	TBLASTX:Maize
Start	1593	End	2060
GI	none	Score	730
Exons	1593..2060, 1593..1661, 1595..2059		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o1.tw	Method	TBLASTX:Wheat
Start	1828	End	2135
GI	none	Score	476
Exons	1828..1890, 1829..1960, 1830..2135, 1935..2009, 2015..2134		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o2.tc	Method	TBLASTX:Cress
Start	1887	End	2129
GI	none	Score	258
Exons	1887..2129, 1889..2128		

Seq. No.	41565	Seq. ID	OJ000322_15.0413.C23
Gene No.	86210	Strand	-
Start	4225	End	6091
Name	OJ000322_15.0413.C23.o2.gs	Method	GENSCAN
Start	4225	End	6091
GI	none	Score	.68
Exons	4225..4352, 5785..6091		

Seq. No.	41566	Seq. ID	OJ000322_15.0413.C24
Gene No.	86211	Strand	-
Start	563	End	1316

Name	OJ000322_15.0413.C24.o1.ts	Method	TBLASTX:Soybean
Start	554	End	1139
GI	none	Score	131
Exons	554..814, 833..919, 930..1139		

Seq. No.	41566	Seq. ID	OJ000322_15.0413.C24
Gene No.	86211	Strand	-
Start	563	End	1316
Name	OJ000322_15.0413.C24.o1.gs	Method	GENSCAN
Start	563	End	862
GI	none	Score	.71
Exons	563..862		

Seq. No.	41566	Seq. ID	OJ000322_15.0413.C24
Gene No.	86211	Strand	-
Start	563	End	1316
Name	OJ000322_15.0413.C24.o1.np	Method	AAT/NAP
Start	563	End	1316
GI	4416302	Score	579
Exons	563..1316		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	41566	Seq. ID	OJ000322_15.0413.C24
Gene No.	86211	Strand	-
Start	563	End	1316
Name	OJ000322_15.0413.C24.o1.tm	Method	TBLASTX:Maize
Start	584	End	1140
GI	none	Score	104
Exons	584..931, 614..901, 684..920, 930..1139, 931..1140		

Seq. No.	41566	Seq. ID	OJ000322_15.0413.C24
Gene No.	86211	Strand	-
Start	563	End	1316
Name	OJ000322_15.0413.C24.o1.tw	Method	TBLASTX:Wheat
Start	629	End	931
GI	none	Score	76
Exons	629..820, 629..805, 824..931		

Seq. No.	41567	Seq. ID	OJ000322_16.0413.C1
Gene No.	86212	Strand	+
Start	1842	End	2215
Name	OJ000322_16.0413.C1.o1.gs	Method	GENSCAN
Start	1842	End	2215
GI	none	Score	.84
Exons	1842..1917, 2041..2112, 2136..2215		

Seq. No.	41567	Seq. ID	OJ000322_16.0413.C1
Gene No.	86213	Strand	+
Start	3365	End	3434
Name	OJ000322_16.0413.C1.o1.gp	Method	AAT/GAP
Start	3365	End	3434
GI	35458_1.R1084	Score	64
Exons	3365..3434		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	41567	Seq. ID	OJ000322_16.0413.C1

Gene No.	86214	Strand	-
Start	2366	End	3294
Name	OJ000322_16.0413.C1.o2.gs	Method	GENSCAN
Start	2366	End	3294
GI	none	Score	.89
Exons	2366..2537, 3243..3294		

Seq. No.	41568	Seq. ID	OJ000322_16.0413.C2
Gene No.	86215	Strand	+
Start	514	End	1096
Name	OJ000322_16.0413.C2.o1.tw	Method	TBLASTX:Wheat
Start	475	End	900
GI	none	Score	62
Exons	475..594, 616..900		

Seq. No.	41568	Seq. ID	OJ000322_16.0413.C2
Gene No.	86215	Strand	+
Start	514	End	1096
Name	OJ000322_16.0413.C2.o1.gs	Method	GENSCAN
Start	514	End	616
GI	none	Score	.44
Exons	514..616		

Seq. No.	41568	Seq. ID	OJ000322_16.0413.C2
Gene No.	86215	Strand	+
Start	514	End	1096
Name	OJ000322_16.0413.C2.o1.np	Method	AAT/NAP
Start	514	End	1096
GI	6006375	Score	962
Exons	514..1096		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	41569	Seq. ID	OJ000322_16.0413.C5
Gene No.	86216	Strand	+
Start	194	End	1725
Name	OJ000322_16.0413.C5.o1.gs	Method	GENSCAN
Start	194	End	1725
GI	none	Score	.69
Exons	194..260, 377..448, 1564..1725		

Seq. No.	41570	Seq. ID	OJ000322_16.0413.C6
Gene No.	86217	Strand	+
Start	1	End	2012
Name	OJ000322_16.0413.C6.o1.np	Method	AAT/NAP
Start	1	End	2012
GI	5734720	Score	256
Exons	1..21, 793..1590, 1963..2012		
GI Descrip.	(AC008075) Contains PF|01426 BAH (bromo-adjacent homology) domain. ESTs gb|N96349, gb|T42710, gb|H77084, gb|AA395147 and gb|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41570	Seq. ID	OJ000322_16.0413.C6
Gene No.	86217	Strand	+
Start	1	End	2012
Name	OJ000322_16.0413.C6.o1.gs	Method	GENSCAN
Start	410	End	1572

GI	none	Score	.55
Exons	410..486, 591..710, 802..1572		

Seq. No.	41571	Seq. ID	OJ000322_16.0413.C7
Gene No.	86218	Strand	+
Start	1	End	2359
Name	OJ000322_16.0413.C7.o1.np	Method	AAT/NAP
Start	1	End	2359
GI	5734720	Score	138
Exons	1..35, 317..567, 690..844, 2319..2359		
GI Descrip.	(AC008075) Contains PF|01426 BAH (bromo-adjacent homology) domain. ESTs gb|N96349, gb|T42710, gb|H77084, gb|AA395147 and gb|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41571	Seq. ID	OJ000322_16.0413.C7
Gene No.	86218	Strand	+
Start	1	End	2359
Name	OJ000322_16.0413.C7.o1.tm	Method	TBLASTX:Maize
Start	348	End	844
GI	none	Score	87
Exons	348..446, 444..572, 457..528, 471..572, 683..844, 710..790		

Seq. No.	41571	Seq. ID	OJ000322_16.0413.C7
Gene No.	86218	Strand	+
Start	1	End	2359
Name	OJ000322_16.0413.C7.o1.ts	Method	TBLASTX:Soybean
Start	348	End	808
GI	none	Score	88
Exons	348..467, 441..572, 683..808		

Seq. No.	41571	Seq. ID	OJ000322_16.0413.C7
Gene No.	86218	Strand	+
Start	1	End	2359
Name	OJ000322_16.0413.C7.o1.gs	Method	GENSCAN
Start	354	End	1156
GI	none	Score	.62
Exons	354..567, 690..1156		

Seq. No.	41572	Seq. ID	OJ000322_16.0413.C8
Gene No.	86219	Strand	+
Start	415	End	1581
Name	OJ000322_16.0413.C8.o1.gs	Method	GENSCAN
Start	415	End	1581
GI	none	Score	.91
Exons	415..487, 1490..1581		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86220	Strand	+
Start	1025	End	4614
Name	OJ000322_16.0413.C9.o1.gs	Method	GENSCAN
Start	1025	End	3759
GI	none	Score	.76
Exons	1025..1108, 1425..1572, 1684..1925, 2607..2783, 2897..3120, 3660..3759		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86220	Strand	+

Start	1025	End	4614
Name	OJ000322_16.0413.C9.o1.np	Method	AAT/NAP
Start	1461	End	4614
GI	5734720	Score	422
Exons	1461..2193, 2607..2820, 2943..3041, 4553..4614		
GI Descrip.	(AC008075) Contains PF|01426 BAH (bromo-adjacent homology) domain. ESTs gb|N96349, gb|T42710, gb|H77084, gb|AA395147 and gb|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86221	Strand	+
Start	14993	End	20406
Name	OJ000322_16.0413.C9.o3.np	Method	AAT/NAP
Start	14993	End	20406
GI	6453905	Score	904
Exons	14993..15307, 19284..19642, 19932..20406		
GI Descrip.	(AC011663) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o5.tm	Method	TBLASTX:Maize
Start	1291	End	1646
GI	none	Score	101
Exons	1291..1326, 1415..1561, 1416..1646, 1416..1646		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o6.tm	Method	TBLASTX:Maize
Start	1706	End	3040
GI	none	Score	43
Exons	1706..1735, 1707..1739, 1737..1811, 1737..1826, 1996..2166, 2040..2060, 2047..2172, 2622..2699, 2697..2825, 2710..2781, 2723..2824, 2936..3040, 2941..3021		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o1.gp	Method	AAT/GAP
Start	5971	End	7087
GI	2311214	Score	806
Exons	5971..6302, 6858..6940, 7049..7087		
GI Descrip.	5881963/gb|AAD55139.1|AF066079_1 2.0e-23 (AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o1.ts	Method	TBLASTX:Soybean
Start	6183	End	8090
GI	none	Score	86
Exons	6183..6305, 6205..6303, 6807..6941, 6853..6942, 7052..7084, 7053..7085, 7085..7120, 7158..7283, 7193..7288, 7380..7589, 7380..7583, 7674..7802, 7678..7800, 7989..8090, 7990..8088		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9

Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o1.tc	Method	TBLASTX:Cress
Start	6198	End	7805
GI	none	Score	106
Exons	6198..6302, 6199..6303, 6849..6944, 6856..6945, 7049..7120, 7053..7121, 7193..7288, 7194..7298, 7389..7436, 7393..7440, 7437..7589, 7446..7589, 7501..7590, 7674..7760, 7674..7805, 7675..7797		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o1.tm	Method	TBLASTX:Maize
Start	6198	End	8334
GI	none	Score	93
Exons	6198..6305, 6202..6303, 6807..6941, 6856..6942, 7052..7120, 7053..7121, 7191..7298, 7193..7288, 7378..7455, 7380..7583, 7380..7583, 7504..7587, 7674..7802, 7692..7766, 7693..7797, 7974..8090, 7990..8088, 8274..8333, 8275..8334		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o2.tw	Method	TBLASTX:Wheat
Start	6198	End	7229
GI	none	Score	122
Exons	6198..6302, 6198..6302, 6199..6303, 6849..6944, 6853..6942, 7041..7118, 7045..7119, 7049..7120, 7053..7121, 7191..7229, 7193..7228		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o2.np	Method	AAT/NAP
Start	6201	End	8650
GI	5881963	Score	1299
Exons	6201..6302, 6858..6941, 7049..7119, 7198..7285, 7392..7583, 7677..7813, 7886..8650		
GI Descrip.	(AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o4.np	Method	AAT/NAP
Start	7760	End	30697
GI	6175155	Score	194
Exons	7760..7979, 8112..8316, 8629..8733, 20016..20088, 30644..30697		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o3.tc	Method	TBLASTX:Cress
Start	8274	End	8484
GI	none	Score	204

Exons	8274..8483, 8275..8484		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o3.ts	Method	TBLASTX:Soybean
Start	8274	End	8484
GI	none	Score	247
Exons	8274..8483, 8275..8484		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o4.tm	Method	TBLASTX:Maize
Start	8337	End	8484
GI	none	Score	196
Exons	8337..8483, 8341..8484		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o2.ts	Method	TBLASTX:Soybean
Start	14999	End	20075
GI	none	Score	269
Exons	14999..15244, 15016..15084, 15154..15249, 15250..15306, 15251..15313, 19352..19480, 19384..19482, 19468..19644, 19487..19642, 19971..20075		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o3.tw	Method	TBLASTX:Wheat
Start	15002	End	15232
GI	none	Score	193
Exons	15002..15232, 15013..15228		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o3.tm	Method	TBLASTX:Maize
Start	15008	End	15322
GI	none	Score	229
Exons	15008..15244, 15031..15081, 15139..15243, 15254..15322		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o4.tc	Method	TBLASTX:Cress
Start	15008	End	15313
GI	none	Score	225
Exons	15008..15262, 15145..15258, 15247..15306, 15248..15313		
Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o1.tw	Method	TBLASTX:Wheat
Start	19352	End	19642

GI	none	Score	126
Exons	19352..19474, 19393..19464, 19484..19642, 19507..19632		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o2.tc	Method	TBLASTX:Cress
Start	19393	End	20174
GI	none	Score	269
Exons	19393..19473, 19394..19687, 19516..19677, 19974..20045, 20028..20174		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o2.tm	Method	TBLASTX:Maize
Start	19406	End	19684
GI	none	Score	425
Exons	19406..19684, 19408..19680		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o4.gs	Method	GENSCAN
Start	24751	End	27667
GI	none	Score	.48
Exons	24751..24844, 24846..25202, 25287..25378, 26103..26379, 27615..27667		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o2.gp	Method	AAT/GAP
Start	27999	End	28082
GI	5867_1.R1084	Score	133
Exons	27999..28082		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111
Name	OJ000322_16.0413.C9.o3.gp	Method	AAT/GAP
Start	30274	End	31111
GI	14908_1.R1084	Score	1572
Exons	30274..31111		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	41573	Seq. ID	OJ000322_16.0413.C9
Gene No.	86222	Strand	-
Start	5971	End	31111

Name	OJ000322_16.0413.C9.o5.gs	Method	GENSCAN
Start	30642	End	30983
GI	none	Score	.99
Exons	30642..30983		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o1.tm	Method	TBLASTX:Maize
Start	1914	End	4534
GI	none	Score	34
Exons	1914..1952, 1917..1955, 1989..2015, 1993..2016, 2013..2462, 2014..2466, 2014..2463, 2025..2471, 2810..3013, 2811..3011, 2813..3013, 3090..3143, 3091..3141, 3121..3345, 3135..3302, 3139..3312, 3143..3328, 3206..3391, 3316..3393, 3317..3568, 3390..3626, 3391..3624, 3423..3842, 3428..3841, 3664..4026, 3665..4024, 3687..4520, 3697..4518, 4051..4521, 4286..4534		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o1.ts	Method	TBLASTX:Soybean
Start	1983	End	2471
GI	none	Score	64
Exons	1983..2018, 1993..2052, 1998..2462, 1999..2460, 2029..2463, 2277..2471		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o1.gs	Method	GENSCAN
Start	1989	End	4538
GI	none	Score	.68
Exons	1989..2459, 2816..3010, 3093..4538		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o1.np	Method	AAT/NAP
Start	1992	End	4688
GI	6562000	Score	1919
Exons	1992..2459, 2816..3010, 3093..4518, 4668..4688		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o1.tc	Method	TBLASTX:Cress
Start	2003	End	2400
GI	none	Score	334
Exons	2003..2194, 2004..2399, 2005..2400, 2008..2400		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o3.ts	Method	TBLASTX:Soybean
Start	2870	End	3306

GI	none	Score	154
Exons	2870..3013, 2871..3014, 2871..3014, 3088..3141, 3159..3185, 3262..3306, 3270..3299		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o1.gp	Method	AAT/GAP
Start	3861	End	4202
GI	427660	Score	676
Exons	3861..4202		

Seq. No.	41574	Seq. ID	OJ000322_16.0413.C11
Gene No.	86223	Strand	-
Start	1989	End	4688
Name	OJ000322_16.0413.C11.o2.ts	Method	TBLASTX:Soybean
Start	4152	End	4522
GI	none	Score	411
Exons	4152..4520, 4153..4521, 4154..4522		

Seq. No.	41575	Seq. ID	OJ000322_16.0413.C12
Gene No.	86224	Strand	+
Start	466	End	1208
Name	OJ000322_16.0413.C12.o1.gs	Method	GENSCAN
Start	466	End	1208
GI	none	Score	.52
Exons	466..617, 644..792, 1122..1208		

Seq. No.	41575	Seq. ID	OJ000322_16.0413.C12
Gene No.	86225	Strand	-
Start	373	End	1472
Name	OJ000322_16.0413.C12.o1.tm	Method	TBLASTX:Maize
Start	364	End	731
GI	none	Score	251
Exons	364..537, 371..538, 373..564, 606..728, 611..727, 615..731		

Seq. No.	41575	Seq. ID	OJ000322_16.0413.C12
Gene No.	86225	Strand	-
Start	373	End	1472
Name	OJ000322_16.0413.C12.o1.ts	Method	TBLASTX:Soybean
Start	364	End	646
GI	none	Score	143
Exons	364..537, 371..571, 611..646		

Seq. No.	41575	Seq. ID	OJ000322_16.0413.C12
Gene No.	86225	Strand	-
Start	373	End	1472
Name	OJ000322_16.0413.C12.o1.np	Method	AAT/NAP
Start	373	End	1472
GI	6562000	Score	292
Exons	373..510, 614..727, 1374..1472		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86226	Strand	+
Start	10453	End	14092
Name	OJ000322_16.0413.C13.o2.gs	Method	GENSCAN

Start	10453	End	13405
GI	none	Score	.86
Exons	10453..10830, 11816..12126, 12141..12225, 12687..12872, 12969..13136, 13211..13405		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86226	Strand	+
Start	10453	End	14092
Name	OJ000322_16.0413.C13.o2.np	Method	AAT/NAP
Start	11801	End	14092
GI	5738372	Score	1024
Exons	11801..12060, 12141..12225, 12687..12872, 12969..13136, 13211..13244, 13302..13409, 13914..14092		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana] gi|7269087|emb|CAB79196.1| (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86226	Strand	+
Start	10453	End	14092
Name	OJ000322_16.0413.C13.o1.gp	Method	AAT/GAP
Start	12185	End	13337
GI	uC-osf1cyp027f11b1	Score	960
Exons	12185..12225, 12687..12872, 12969..13136, 13211..13337		
GI Descrip.	'5881963/gb|AAD55139.1|AF066079_1 2.0e-23 (AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86227	Strand	-
Start	1	End	7438
Name	OJ000322_16.0413.C13.o1.np	Method	AAT/NAP
Start	1	End	5083
GI	6561999	Score	1243
Exons	1..31, 175..230, 358..428, 697..829, 870..1005, 1623..1783, 2770..2905, 2990..3062, 3182..3282, 3421..3586, 3893..4002, 4858..5083		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86227	Strand	-
Start	1	End	7438
Name	OJ000322_16.0413.C13.o1.gs	Method	GENSCAN
Start	342	End	7438
GI	none	Score	.55
Exons	342..442, 697..796, 881..1005, 1623..1783, 2770..2911, 2990..3062, 3182..3282, 3421..3586, 3893..4002, 4858..5077, 5589..5697, 5839..6059, 6608..6668, 7386..7438		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86228	Strand	
Start	10728	End	12216
Name	OJ000322_16.0413.C13.o2.tm	Method	TBLASTX:Maize
Start	10728	End	12216
GI	none	Score	130
Exons	10728..10826, 10732..10803, 10764..10811, 11815..12063, 11816..12061, 12138..12182, 12139..12183, 12185..12214, 12187..12216		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86229	Strand	
Start	12756	End	13409
Name	OJ000322_16.0413.C13.o1.tm	Method	TBLASTX:Maize
Start	12756	End	13409
GI	none	Score	217
Exons	12756..12875, 12758..12874, 12766..12879, 12966..13121, 12966..13127, 13095..13136, 13099..13137, 13182..13301, 13208..13312, 13210..13299, 13211..13312, 13302..13406, 13303..13407, 13305..13409		

Seq. No.	41576	Seq. ID	OJ000322_16.0413.C13
Gene No.	86229	Strand	
Start	12756	End	13409
Name	OJ000322_16.0413.C13.o1.ts	Method	TBLASTX:Soybean
Start	12831	End	13409
GI	none	Score	79
Exons	12831..12875, 12834..12875, 12957..13064, 12965..13135, 12966..13136, 12967..13164, 13211..13285, 13306..13407, 13328..13408, 13329..13409		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86230	Strand	+
Start	891	End	4563
Name	OJ000302_16.0403.C1.o1.gs	Method	GENSCAN
Start	891	End	4563
GI	none	Score	.41
Exons	891..1360, 1398..1647, 2559..4458, 4475..4563		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86230	Strand	+
Start	891	End	4563
Name	OJ000302_16.0403.C1.o2.np	Method	AAT/NAP
Start	2548	End	4439
GI	6723394	Score	880
Exons	2548..4439		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86231	Strand	-
Start	680	End	1633
Name	OJ000302_16.0403.C1.o1.np	Method	AAT/NAP
Start	680	End	1390
GI	6850868	Score	372
Exons	680..837, 954..1390		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86231	Strand	-
Start	680	End	1633
Name	OJ000302_16.0403.C1.o1.gp	Method	AAT/GAP
Start	1198	End	1633
GI	uC-osflcyp140c05b1	Score	813
Exons	1198..1633		
GI Descrip.	'2832698/emb|CAA16796.1| 2.0e-62 (AL021713) starch synthase-like protein [Arabidopsis thaliana]'		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	939	End	1301
GI	none	Score	149
Exons	939..1070, 951..1070, 952..1071, 1074..1301, 1074..1253, 1085..1300		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	951	End	1255
GI	none	Score	172
Exons	951..1070, 952..1071, 1074..1253, 1085..1255		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	3219	End	3728
GI	none	Score	338
Exons	3219..3455, 3219..3455, 3242..3457, 3440..3718, 3450..3728, 3459..3728		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o5.tm	Method	TBLASTX:Maize
Start	3730	End	3922
GI	none	Score	216
Exons	3730..3807, 3732..3920, 3732..3920, 3791..3922		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o4.tm	Method	TBLASTX:Maize
Start	4001	End	4238
GI	none	Score	236
Exons	4001..4165, 4002..4238, 4015..4167		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o2.gs	Method	GENSCAN
Start	5115	End	8584
GI	none	Score	.7
Exons	5115..5147, 5153..5344, 5411..5533, 5648..5710, 5795..5899, 6717..6773, 7010..7087, 7174..7248, 7567..7617, 7756..7835, 7919..8019, 8098..8156, 8351..8584		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o3.np	Method	AAT/NAP

Start	5120	End	8660
GI	2674203	Score	713
Exons	5120..5344, 5411..5533, 5648..5710, 5795..5899, 5979..6078, 6177..6304, 7010..7087, 7174..7248, 7567..7617, 7756..7835, 7919..8009, 8085..8156, 8381..8467, 8611..8660		
GI Descrip.	(AF036328) CLP protease regulatory subunit CLPX [Arabidopsis thaliana]		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o3.tm	Method	TBLASTX:Maize
Start	5187	End	8467
GI	none	Score	60
Exons	5187..5264, 5213..5263, 5273..5347, 5274..5345, 5408..5533, 5412..5564, 5643..5714, 5645..5716, 5647..5718, 5754..5897, 5792..5899, 6176..6253, 6177..6251, 7007..7066, 7172..7234, 7174..7245, 7558..7620, 7565..7618, 7723..7839, 7742..7837, 7917..7994, 7918..7944, 8106..8159, 8378..8467, 8379..8447		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o2.tc	Method	TBLASTX:Cress
Start	5201	End	8449
GI	none	Score	100
Exons	5201..5371, 5217..5345, 5408..5533, 5412..5537, 5645..5716, 5646..5711, 5792..5899, 5811..5897, 5977..6063, 6176..6253, 6177..6242, 7007..7066, 7010..7090, 7174..7236, 7174..7245, 7558..7620, 7565..7621, 7723..7839, 7742..7837, 7917..7976, 7918..7947, 8085..8159, 8378..8449, 8379..8447		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	5213	End	5522
GI	none	Score	135
Exons	5213..5347, 5217..5345, 5408..5521, 5412..5522		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o2.gp	Method	AAT/GAP
Start	5411	End	6087
GI	LIB3432-004-P1-K1-C10	Score	732
Exons	5411..5533, 5648..5710, 5795..5899, 5979..6087		
GI Descrip.	'2674203/gb|AAB88706.1| 7.0e-30 (AF036328) CLP protease regulatory subunit CLPX [Arabidopsis thaliana]'		

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o3.gp	Method	AAT/GAP
Start	7559	End	7868
GI	2800778	Score	209
Exons	7559..7617, 7756..7868		

GI Descrip. 2674203/gb|AAB88706.1| 7.0e-30 (AF036328) CLP protease regulatory subunit CLPX [Arabidopsis thaliana]

Seq. No.	41577	Seq. ID	OJ000302_16.0403.C1
Gene No.	86232	Strand	-
Start	5115	End	8660
Name	OJ000302_16.0403.C1.o4.gp	Method	AAT/GAP
Start	7566	End	7949
GI	2800778	Score	245
Exons	7566..7617, 7756..7835, 7919..7949		

GI Descrip. 2674203/gb|AAB88706.1| 7.0e-30 (AF036328) CLP protease regulatory subunit CLPX [Arabidopsis thaliana]

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86233	Strand	+
Start	4535	End	7219
Name	OJ000302_16.0403.C3.o2.gs	Method	GENSCAN
Start	4535	End	7219
GI	none	Score	.48
Exons	4535..4634, 5844..6001, 6536..6619, 7094..7219		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86233	Strand	+
Start	4535	End	7219
Name	OJ000302_16.0403.C3.o1.gp	Method	AAT/GAP
Start	4653	End	4965
GI	72524_1.R1084	Score	408
Exons	4653..4965		

GI Descrip. '5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86233	Strand	+
Start	4535	End	7219
Name	OJ000302_16.0403.C3.o2.gp	Method	AAT/GAP
Start	4860	End	4965
GI	5816518	Score	156
Exons	4860..4965		

GI Descrip. 4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86234	Strand	-
Start	1	End	4706
Name	OJ000302_16.0403.C3.o1.np	Method	AAT/NAP
Start	1	End	3488
GI	2146739	Score	1330
Exons	1..238, 325..406, 827..957, 1028..1126, 1388..1543, 1652..1726, 1917..2099, 2192..2342, 3217..3488		

GI Descrip. hexokinase (EC 2.7.1.1) 1 - Arabidopsis thaliana gi|881521|gb|AAB49908.1| (U28214) hexokinase 1 [Arabidopsis thaliana] gi|4972059|emb|CAB43927.1| (AL078470) hexokinase [Arabidopsis thaliana] gi|7269811|emb|CAB79671.1| (AL161574) hexokinase [Arabidopsis thaliana]

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86234	Strand	-

Start	1	End	4706
Name	OJ000302_16.0403.C3.o2.np	Method	AAT/NAP
Start	1	End	4706
GI	7106512	Score	115
Exons	1..130, 4525..4573, 4647..4706		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86234	Strand	-
Start	1	End	4706
Name	OJ000302_16.0403.C3.o1.gs	Method	GENSCAN
Start	325	End	3479
GI	none	Score	.71
Exons	325..445, 827..957, 1028..1126, 1388..1543, 1652..1730, 1888..2099, 2192..2342, 3217..3479		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86235	Strand	-
Start	5705	End	7595
Name	OJ000302_16.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	131	End	3371
GI	none	Score	69
Exons	131..253, 173..238, 320..436, 322..435, 826..957, 827..952, 864..953, 1017..1127, 1025..1132, 1381..1539, 1383..1538, 1385..1540, 1385..1543, 1646..1726, 1647..1727, 1654..1728, 1914..2099, 1915..2100, 1930..2100, 2190..2342, 2195..2365, 2207..2368, 3216..3371		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86235	Strand	-
Start	5705	End	7595
Name	OJ000302_16.0403.C3.o1.tc	Method	TBLASTX:Cress
Start	132	End	3425
GI	none	Score	65
Exons	132..257, 173..244, 316..417, 317..433, 826..957, 827..952, 1016..1123, 1025..1126, 1029..1127, 1383..1538, 1385..1540, 1385..1543, 1646..1726, 1649..1726, 1710..1733, 1914..2099, 1915..2100, 2192..2365, 2196..2342, 3213..3302, 3216..3425, 3217..3321		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86235	Strand	-
Start	5705	End	7595
Name	OJ000302_16.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	135	End	3425
GI	none	Score	72
Exons	135..245, 153..188, 173..244, 322..417, 332..418, 826..957, 827..952, 864..956, 1014..1127, 1025..1126, 1383..1538, 1385..1540, 1385..1543, 1646..1726, 1647..1727, 1658..1735, 1914..2102, 1915..2100, 2143..2229, 2193..2327, 2195..2341, 2196..2342, 2204..2347, 3216..3425, 3217..3321		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86235	Strand	-
Start	5705	End	7595
Name	OJ000302_16.0403.C3.o1.tw	Method	TBLASTX:Wheat

Start	1442	End	1747
GI	none	Score	55
Exons	1442..1540, 1442..1543, 1443..1544, 1646..1747, 1647..1727		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86235	Strand	-
Start	5705	End	7595
Name	OJ000302_16.0403.C3.o3.gp	Method	AAT/GAP
Start	5705	End	7190
GI	61605_1.R1084	Score	566
Exons	5705..5977, 7110..7190		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41578	Seq. ID	OJ000302_16.0403.C3
Gene No.	86235	Strand	-
Start	5705	End	7595
Name	OJ000302_16.0403.C3.o3.np	Method	AAT/NAP
Start	6350	End	7595
GI	6063554	Score	243
Exons	6350..6523, 7162..7199, 7572..7595		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41579	Seq. ID	OJ000302_16.0403.C4
Gene No.	86236	Strand	+
Start	1	End	902
Name	OJ000302_16.0403.C4.o1.np	Method	AAT/NAP
Start	1	End	902
GI	5852179	Score	294
Exons	1..313, 728..902		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	41579	Seq. ID	OJ000302_16.0403.C4
Gene No.	86237	Strand	-
Start	33	End	702
Name	OJ000302_16.0403.C4.o1.gs	Method	GENSCAN
Start	33	End	702
GI	none	Score	.92
Exons	33..214, 651..702		

Seq. No.	41580	Seq. ID	OJ000302_16.0403.C5
Gene No.	86238	Strand	+
Start	1	End	580
Name	OJ000302_16.0403.C5.o1.np	Method	AAT/NAP
Start	1	End	577
GI	2146774	Score	797
Exons	1..577		
GI Descrip.	serine acetyltransferase (EC 2.3.1.30) Sat-52 - Arabidopsis thaliana gi|905391 (U30298) serine acetyltransferase [Arabidopsis thaliana]		

Seq. No.	41580	Seq. ID	OJ000302_16.0403.C5
Gene No.	86238	Strand	+
Start	1	End	580
Name	OJ000302_16.0403.C5.o1.gs	Method	GENSCAN

Start	50	End	580
GI	none	Score	.98
Exons	50..580		

Seq. No.	41580	Seq. ID	OJ000302_16.0403.C5
Gene No.	86239	Strand	-
Start	314	End	762
Name	OJ000302_16.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	13	End	580
GI	none	Score	746
Exons	13..99, 14..580, 160..369, 287..571		

Seq. No.	41580	Seq. ID	OJ000302_16.0403.C5
Gene No.	86239	Strand	-
Start	314	End	762
Name	OJ000302_16.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	22	End	514
GI	none	Score	314
Exons	22..78, 23..265, 154..297, 242..514, 265..363, 287..514		

Seq. No.	41580	Seq. ID	OJ000302_16.0403.C5
Gene No.	86239	Strand	-
Start	314	End	762
Name	OJ000302_16.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	77	End	614
GI	none	Score	761
Exons	77..610, 154..369, 294..614, 308..607, 541..612		

Seq. No.	41580	Seq. ID	OJ000302_16.0403.C5
Gene No.	86239	Strand	-
Start	314	End	762
Name	OJ000302_16.0403.C5.o1.gp	Method	AAT/GAP
Start	314	End	762
GI	uC-osroM202029c03a1	Score	872
Exons	314..762		
GI Descrip.	'2146774/pir||S71207 2.0e-27 serine acetyltransferase (EC 2.3.1.30) Sat-52 - Arabidopsis thaliana >gi_905391 (U30298) serine acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86240	Strand	+
Start	7904	End	8161
Name	OJ000302_16.0403.C6.o2.gs	Method	GENSCAN
Start	7904	End	8161
GI	none	Score	.99
Exons	7904..8161		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86241	Strand	+
Start	9127	End	10578
Name	OJ000302_16.0403.C6.o2.np	Method	AAT/NAP
Start	8957	End	10578
GI	7106512	Score	1293
Exons	8957..9016, 9090..9270, 9305..10578		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86241	Strand	+
Start	9127	End	10578
Name	OJ000302_16.0403.C6.o3.gs	Method	GENSCAN
Start	9127	End	10516
GI	none	Score	.7
Exons	9127..9150, 9234..9580, 9673..10516		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o1.np	Method	AAT/NAP
Start	621	End	5246
GI	7228457	Score	6345
Exons	621..837, 904..1863, 1986..2820, 2884..4818, 4880..5246		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o3.ts	Method	TBLASTX:Soybean
Start	688	End	1236
GI	5666795	Score	68
Exons	688..870, 925..1062, 1138..1236		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o4.tw	Method	TBLASTX:Wheat
Start	925	End	1383
GI	none	Score	74
Exons	925..1074, 926..1063, 1108..1359, 1109..1291, 1129..1383		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	1792	End	2193
GI	none	Score	94
Exons	1792..2193, 2003..2146		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o2.tw	Method	TBLASTX:Wheat
Start	1817	End	2241
GI	none	Score	259
Exons	1817..2143, 1819..2241, 1834..2241		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	1915	End	2299

GI	none	Score	157
Exons	1915..2298, 1934..2155, 2213..2299		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	2326	End	2682
GI	none	Score	71
Exons	2326..2442, 2326..2682, 2336..2647		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	2350	End	2812
GI	none	Score	203
Exons	2350..2811, 2354..2812, 2356..2811, 2357..2812		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	2407	End	2772
GI	none	Score	117
Exons	2407..2541, 2548..2772		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o3.tw	Method	TBLASTX:Wheat
Start	2977	End	3463
GI	none	Score	168
Exons	2977..3462, 3008..3268, 3290..3463		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o5.tw	Method	TBLASTX:Wheat
Start	4200	End	4589
GI	none	Score	93
Exons	4200..4457, 4234..4473, 4440..4538, 4441..4521, 4545..4589		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86242	Strand	-
Start	621	End	5246
Name	OJ000302_16.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	4302	End	4550
GI	none	Score	185
Exons	4302..4550		

Seq. No.	41581	Seq. ID	OJ000302_16.0403.C6
Gene No.	86243	Strand	
Start	7874	End	8050
Name	OJ000302_16.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	7874	End	8050
GI	none	Score	198

Exons	7874..8050, 7904..7972, 7942..8049		
Seq. No.	41582	Seq. ID	OJ000302_16.0403.C7
Gene No.	86244	Strand	+
Start	1	End	2578
Name	OJ000302_16.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	2539
GI	7106512	Score	2252
Exons	1..1004, 1324..2085, 2163..2539		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41582	Seq. ID	OJ000302_16.0403.C7
Gene No.	86244	Strand	+
Start	1	End	2578
Name	OJ000302_16.0403.C7.o1.gs	Method	GENSCAN
Start	95	End	2578
GI	none	Score	.58
Exons	95..849, 1461..1885, 2265..2578		
Seq. No.	41582	Seq. ID	OJ000302_16.0403.C7
Gene No.	86245	Strand	-
Start	2825	End	2977
Name	OJ000302_16.0403.C7.o2.np	Method	AAT/NAP
Start	2825	End	2977
GI	7106513	Score	268
Exons	2825..2977		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	41583	Seq. ID	OJ000302_16.0403.C8
Gene No.	86246	Strand	+
Start	1	End	735
Name	OJ000302_16.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	735
GI	7106512	Score	942
Exons	1..735		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41583	Seq. ID	OJ000302_16.0403.C8
Gene No.	86246	Strand	+
Start	1	End	735
Name	OJ000302_16.0403.C8.o1.gs	Method	GENSCAN
Start	8	End	544
GI	none	Score	1
Exons	8..544		
Seq. No.	41584	Seq. ID	OJ000302_16.0403.C9
Gene No.	86247	Strand	-
Start	1	End	997
Name	OJ000302_16.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	997
GI	6016871	Score	311
Exons	1..380, 437..764, 977..997		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41584	Seq. ID	OJ000302_16.0403.C9
Gene No.	86247	Strand	-
Start	1	End	997
Name	OJ000302_16.0403.C9.o1.gs	Method	GENSCAN
Start	96	End	770
GI	none	Score	.86
Exons	96..770		

Seq. No.	41585	Seq. ID	OJ000302_16.0403.C10
Gene No.	86248	Strand	+
Start	1	End	1931
Name	OJ000302_16.0403.C10.o1.np	Method	AAT/NAP
Start	1	End	1931
GI	6069646	Score	847
Exons	1..42, 211..658, 940..1931		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41585	Seq. ID	OJ000302_16.0403.C10
Gene No.	86249	Strand	-
Start	2358	End	2545
Name	OJ000302_16.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	213	End	893
GI	none	Score	184
Exons	213..368, 214..423, 433..543, 438..551, 439..666, 618..668, 638..742, 678..893, 681..884		

Seq. No.	41585	Seq. ID	OJ000302_16.0403.C10
Gene No.	86249	Strand	-
Start	2358	End	2545
Name	OJ000302_16.0403.C10.o3.tm	Method	TBLASTX:Maize
Start	897	End	1193
GI	none	Score	204
Exons	897..1193, 902..1045, 1083..1163		

Seq. No.	41585	Seq. ID	OJ000302_16.0403.C10
Gene No.	86249	Strand	-
Start	2358	End	2545
Name	OJ000302_16.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	1359	End	1907
GI	none	Score	71
Exons	1359..1451, 1405..1602, 1463..1696, 1464..1694, 1719..1907		

Seq. No.	41585	Seq. ID	OJ000302_16.0403.C10
Gene No.	86249	Strand	-
Start	2358	End	2545
Name	OJ000302_16.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	1463	End	1655
GI	none	Score	212
Exons	1463..1621, 1467..1655		

Seq. No.	41585	Seq. ID	OJ000302_16.0403.C10
Gene No.	86249	Strand	-
Start	2358	End	2545

Name	OJ000302_16.0403.C10.o2.gs	Method	GENSCAN
Start	2358	End	2545
GI	none	Score	.59
Exons	2358..2366, 2435..2545		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86250	Strand	+
Start	7757	End	8123
Name	OJ000302_16.0403.C11.o1.gp	Method	AAT/GAP
Start	7757	End	8123
GI	uC-osroM202029c03a1	Score	714
Exons	7757..8123		
GI Descrip.	'2146774/pir||S71207 2.0e-27 serine acetyltransferase (EC 2.3.1.30) Sat-52 - Arabidopsis thaliana >gi_905391 (U30298) serine acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86251	Strand	-
Start	1	End	6746
Name	OJ000302_16.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	1342
GI	6016871	Score	420
Exons	1..879, 945..1342		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86251	Strand	-
Start	1	End	6746
Name	OJ000302_16.0403.C11.o1.gs	Method	GENSCAN
Start	125	End	5540
GI	none	Score	.55
Exons	125..1392, 2234..2484, 3616..3891, 4002..4855, 5294..5362, 5440..5540		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86251	Strand	-
Start	1	End	6746
Name	OJ000302_16.0403.C11.o2.np	Method	AAT/NAP
Start	2087	End	6746
GI	6069646	Score	449
Exons	2087..3077, 6703..6746		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86251	Strand	-
Start	1	End	6746
Name	OJ000302_16.0403.C11.o3.np	Method	AAT/NAP
Start	2239	End	5389
GI	6016871	Score	353
Exons	2239..2309, 3440..4553, 4608..4912, 5341..5389		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86252	Strand	-
Start	7978	End	8123
Name	OJ000302_16.0403.C11.o3.tm	Method	TBLASTX:Maize
Start	81	End	3957
GI	none	Score	132
Exons	81..338, 98..343, 100..348, 3692..3865, 3862..3957		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86252	Strand	-
Start	7978	End	8123
Name	OJ000302_16.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	2114	End	2673
GI	none	Score	90
Exons	2114..2326, 2327..2530, 2345..2521, 2578..2673, 2583..2672		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86252	Strand	-
Start	7978	End	8123
Name	OJ000302_16.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	7941	End	8123
GI	none	Score	209
Exons	7941..8123, 7945..8121		

Seq. No.	41586	Seq. ID	OJ000302_16.0403.C11
Gene No.	86252	Strand	-
Start	7978	End	8123
Name	OJ000302_16.0403.C11.o4.np	Method	AAT/NAP
Start	7978	End	8123
GI	2146774	Score	160
Exons	7978..8123		
GI Descrip.	serine acetyltransferase (EC 2.3.1.30) Sat-52 - Arabidopsis thaliana gi|905391 (U30298) serine acetyltransferase [Arabidopsis thaliana]		

Seq. No.	41587	Seq. ID	OJ000302_16.0403.C12
Gene No.	86253	Strand	-
Start	1	End	371
Name	OJ000302_16.0403.C12.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	none	Score	730
Exons	1..371		

Seq. No.	41587	Seq. ID	OJ000302_16.0403.C12
Gene No.	86253	Strand	-
Start	1	End	371
Name	OJ000302_16.0403.C12.o1.np	Method	AAT/NAP
Start	1	End	165
GI	7384806	Score	204
Exons	1..165		
GI Descrip.	(AB040502) serine acetyltransferase [Allium tuberosum]		

Seq. No.	41587	Seq. ID	OJ000302_16.0403.C12
Gene No.	86253	Strand	-
Start	1	End	371
Name	OJ000302_16.0403.C12.o1.gs	Method	GENSCAN

Start	106	End	243
GI	none	Score	.48
Exons	106..243		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86254	Strand	+
Start	845	End	8488
Name	OJ000302_16.0403.C14.o1.gs	Method	GENSCAN
Start	845	End	8485
GI	none	Score	.78
Exons	845..969, 1069..1170, 1465..1573, 2102..2177, 2267..3105, 3685..3807, 3884..3959, 4039..4232, 4355..4546, 4635..4703, 5485..5694, 7342..7491, 8023..8084, 8168..8243, 8315..8485		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86254	Strand	+
Start	845	End	8488
Name	OJ000302_16.0403.C14.o1.np	Method	AAT/NAP
Start	2156	End	8488
GI	4582783	Score	2060
Exons	2156..2177, 2267..3212, 3304..3355, 3685..3807, 3884..3959, 4048..4232, 4355..4546, 4635..4703, 5482..5694, 5973..6098, 7342..7491, 8023..8084, 8168..8243, 8315..8488		
GI Descrip.	(AJ006752) starch synthase, isoform V [Vigna unguiculata]		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	2767	End	3212
GI	none	Score	556
Exons	2767..3210, 2767..3204, 2768..3205, 2949..3212		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	3301	End	4423
GI	none	Score	91
Exons	3301..3357, 3302..3358, 3667..3807, 3684..3809, 3684..3809, 3685..3837, 3878..3985, 3881..3964, 3882..3983, 4043..4231, 4047..4232, 4310..4423, 4348..4419, 4355..4423		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o2.ts	Method	TBLASTX:Soybean
Start	4044	End	4420
GI	none	Score	290
Exons	4044..4232, 4046..4228, 4310..4420, 4348..4416		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o2.tc	Method	TBLASTX:Cress
Start	4061	End	4507
GI	none	Score	163

Exons	4061..4192, 4062..4190, 4173..4232, 4187..4231, 4310..4507, 4354..4473, 4365..4505		
Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o3.ts	Method	TBLASTX:Soybean
Start	4653	End	8072
GI	none	Score	68
Exons	4653..4700, 5479..5697, 5484..5696, 5972..6094, 5973..6107, 5973..6170, 7339..7494, 7344..7490, 8019..8072, 8020..8070		
Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o4.tm	Method	TBLASTX:Maize
Start	5470	End	5733
GI	none	Score	325
Exons	5470..5706, 5483..5725, 5484..5705, 5509..5733		
Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o5.tm	Method	TBLASTX:Maize
Start	7341	End	8430
GI	none	Score	231
Exons	7341..7487, 7348..7494, 7348..7494, 8020..8082, 8020..8082, 8148..8243, 8164..8244, 8166..8243, 8311..8430, 8312..8425, 8326..8430		
Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o2.np	Method	AAT/NAP
Start	9552	End	11781
GI	2499327	Score	844
Exons	9552..9973, 11550..11781		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 20 KD SUBUNIT PRECURSOR (COMPLEX I-20KD) (CI-20KD) gi|1084345|pir||S52286 NADH dehydrogenase (EC 1.6.99.3) - Arabidopsis thaliana gi|643090|emb|CAA58887.1| (X84078) NADH dehydrogenase [Arabidopsis thaliana]		
Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o3.tm	Method	TBLASTX:Maize
Start	9586	End	11806
GI	none	Score	54
Exons	9586..9624, 9591..9623, 9731..9850, 9734..9973, 9735..9998, 9750..9998, 11517..11567, 11541..11789, 11546..11806, 11554..11781		
Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o2.gs	Method	GENSCAN
Start	9594	End	11784

GI	none	Score	.65
Exons	9594..9973, 11550..11784		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o1.tc	Method	TBLASTX:Cress
Start	9734	End	11785
GI	none	Score	414
Exons	9734..9973, 9735..9998, 9750..9992, 11517..11567, 11541..11783, 11546..11593, 11554..11781, 11648..11785		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o1.ts	Method	TBLASTX:Soybean
Start	9734	End	9974
GI	none	Score	416
Exons	9734..9973, 9735..9974		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o1.tw	Method	TBLASTX:Wheat
Start	9753	End	11751
GI	none	Score	211
Exons	9753..9998, 9770..9961, 11554..11601, 11562..11615, 11628..11708, 11653..11751		

Seq. No.	41588	Seq. ID	OJ000302_16.0403.C14
Gene No.	86255	Strand	+
Start	9594	End	11806
Name	OJ000302_16.0403.C14.o4.ts	Method	TBLASTX:Soybean
Start	11625	End	11806
GI	none	Score	232
Exons	11625..11783, 11627..11806, 11650..11781, 11654..11785		

Seq. No.	41589	Seq. ID	OJ000302_16.0403.C15
Gene No.	86256	Strand	+
Start	1	End	1267
Name	OJ000302_16.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	1267
GI	7269847	Score	177
Exons	1..65, 1181..1267		
GI Descrip.	(AL161575) putative protein [Arabidopsis thaliana]		

Seq. No.	41589	Seq. ID	OJ000302_16.0403.C15
Gene No.	86257	Strand	-
Start	12	End	123
Name	OJ000302_16.0403.C15.o1.gs	Method	GENSCAN
Start	12	End	123
GI	none	Score	.51
Exons	12..123		

Seq. No.	41590	Seq. ID	OJ000302_16.0403.C17
Gene No.	86258	Strand	+
Start	608	End	764

Name	OJ000302_16.0403.C17.o1.gs	Method	GENSCAN
Start	608	End	764
GI	none	Score	.8
Exons	608..764		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o1.gs	Method	GENSCAN
Start	104	End	3076
GI	none	Score	.87
Exons	104..267, 563..671, 1002..1064, 1149..1307, 2007..2148, 2227..2599, 2872..3076		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o1.gp	Method	AAT/GAP
Start	225	End	2947
GI	535_2.R1084	Score	2343
Exons	225..671, 1002..1064, 1149..1307, 2007..2148, 2227..2599, 2872..2947		
GI Descrip.	'2104681/emb|CAA66481| 2.0e-29 (X97907) transcription factor [Vicia faba]'		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o1.tm	Method	TBLASTX:Maize
Start	424	End	1260
GI	none	Score	416
Exons	424..672, 425..673, 425..673, 990..1064, 1002..1064, 1003..1077, 1004..1066, 1143..1259, 1147..1260, 1150..1260		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o1.np	Method	AAT/NAP
Start	483	End	3076
GI	6492266	Score	569
Exons	483..671, 1002..1064, 1149..1307, 2010..2148, 2230..2560, 2860..2910, 2941..3076		
GI Descrip.	(AF110228) nuclear RNA binding protein A [Spinacia oleracea]		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o1.tw	Method	TBLASTX:Wheat
Start	990	End	1303
GI	none	Score	72
Exons	990..1061, 1002..1058, 1003..1077, 1004..1066, 1142..1201, 1146..1241, 1147..1251, 1148..1276, 1241..1303		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o2.tm	Method	TBLASTX:Maize

Start	1995	End	3082
GI	none	Score	92
Exons	1995..2132, 2010..2156, 2068..2148, 2226..2354, 2227..2355, 2228..2365, 2456..2563, 2808..2909, 2876..2905, 3011..3082		

Seq. No.	41591	Seq. ID	OJ000302_16.0403.C20
Gene No.	86259	Strand	-
Start	104	End	3347
Name	OJ000302_16.0403.C20.o2.gp	Method	AAT/GAP
Start	2962	End	3347
GI	none	Score	736
Exons	2962..3347		

Seq. No.	41592	Seq. ID	OJ000302_16.0403.C21
Gene No.	86260	Strand	-
Start	751	End	912
Name	OJ000302_16.0403.C21.o1.gs	Method	GENSCAN
Start	751	End	912
GI	none	Score	.96
Exons	751..912		

Seq. No.	41593	Seq. ID	OJ000302_16.0403.C22
Gene No.	86261	Strand	+
Start	840	End	4054
Name	OJ000302_16.0403.C22.o1.gs	Method	GENSCAN
Start	840	End	4054
GI	none	Score	.61
Exons	840..1229, 1254..2027, 2243..4054		

Seq. No.	41593	Seq. ID	OJ000302_16.0403.C22
Gene No.	86261	Strand	+
Start	840	End	4054
Name	OJ000302_16.0403.C22.o1.np	Method	AAT/NAP
Start	840	End	4051
GI	5803259	Score	4183
Exons	840..2101, 2205..4051		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86262	Strand	+
Start	5071	End	9410
Name	OJ000302_16.0403.C23.o2.np	Method	AAT/NAP
Start	5028	End	9410
GI	4680179	Score	6294
Exons	5028..9410		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86262	Strand	+
Start	5071	End	9410
Name	OJ000302_16.0403.C23.o2.gs	Method	GENSCAN
Start	5071	End	9267
GI	none	Score	.63
Exons	5071..5241, 5301..9267		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-

Start	1	End	9410
Name	OJ000302_16.0403.C23.o1.np	Method	AAT/NAP
Start	1	End	1081
GI	7228457	Score	1765
Exons	1..1081		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o1.tw	Method	TBLASTX:Wheat
Start	108	End	9224
GI	none	Score	669
Exons	108..224, 279..437, 8598..9224, 8654..9223		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o5.tm	Method	TBLASTX:Maize
Start	510	End	872
GI	none	Score	102
Exons	510..557, 529..678, 540..752, 549..872, 562..843		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o3.tw	Method	TBLASTX:Wheat
Start	553	End	8591
GI	none	Score	590
Exons	553..585, 603..719, 8112..8591, 8130..8291, 8207..8590		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o6.tw	Method	TBLASTX:Wheat
Start	5297	End	5660
GI	none	Score	293
Exons	5297..5401, 5301..5660, 5426..5659		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o8.tm	Method	TBLASTX:Maize
Start	5541	End	5837
GI	none	Score	201
Exons	5541..5837, 5558..5728		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o7.tm	Method	TBLASTX:Maize
Start	6183	End	6503
GI	none	Score	210
Exons	6183..6503		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o7.tw	Method	TBLASTX:Wheat
Start	6236	End	6590
GI	none	Score	262
Exons	6236..6331, 6237..6590, 6420..6590		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o4.tw	Method	TBLASTX:Wheat
Start	6761	End	7247
GI	none	Score	546
Exons	6761..7204, 6765..7247		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o4.tm	Method	TBLASTX:Maize
Start	6830	End	7301
GI	none	Score	385
Exons	6830..7075, 6834..7301, 6921..7268		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o4.ts	Method	TBLASTX:Soybean
Start	6834	End	7115
GI	none	Score	183
Exons	6834..7115, 6917..7114		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o1.ts	Method	TBLASTX:Soybean
Start	7188	End	7584
GI	none	Score	57
Exons	7188..7220, 7188..7220, 7224..7583, 7227..7301, 7231..7584, 7231..7365, 7340..7582		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o5.tw	Method	TBLASTX:Wheat
Start	7296	End	7598
GI	none	Score	397
Exons	7296..7598, 7334..7597		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o6.tm	Method	TBLASTX:Maize
Start	7317	End	7670
GI	none	Score	325
Exons	7317..7670, 7328..7588		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o2.tw	Method	TBLASTX:Wheat
Start	7599	End	8108
GI	none	Score	642
Exons	7599..8108, 7631..8017		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o3.ts	Method	TBLASTX:Soybean
Start	7608	End	7850
GI	none	Score	197
Exons	7608..7850		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o2.tm	Method	TBLASTX:Maize
Start	7671	End	8024
GI	none	Score	483
Exons	7671..8024, 7673..7939, 7713..8009		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o1.tc	Method	TBLASTX:Cress
Start	8289	End	8615
GI	none	Score	90
Exons	8289..8471, 8472..8615, 8537..8614		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o2.ts	Method	TBLASTX:Soybean
Start	8379	End	8639
GI	none	Score	300
Exons	8379..8639, 8384..8485, 8571..8639		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o3.tm	Method	TBLASTX:Maize
Start	8439	End	8729
GI	none	Score	387
Exons	8439..8729, 8508..8726		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	8778	End	9365
GI	none	Score	226
Exons	8778..8939, 8781..8930, 8786..8932, 8937..9035, 8937..9005, 8939..9034, 9096..9365, 9104..9364		

Seq. No.	41594	Seq. ID	OJ000302_16.0403.C23
Gene No.	86263	Strand	-
Start	1	End	9410
Name	OJ000302_16.0403.C23.o8.tw	Method	TBLASTX:Wheat
Start	9224	End	9410
GI	none	Score	196
Exons	9224..9361, 9225..9410		

Seq. No.	41595	Seq. ID	OJ000302_11.0403.C2
Gene No.	86264	Strand	+
Start	1	End	218
Name	OJ000302_11.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	218
GI	4038034	Score	105
Exons	1..218		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	41595	Seq. ID	OJ000302_11.0403.C2
Gene No.	86265	Strand	-
Start	91	End	166
Name	OJ000302_11.0403.C2.o1.gs	Method	GENSCAN
Start	91	End	166
GI	none	Score	.71
Exons	91..166		

Seq. No.	41595	Seq. ID	OJ000302_11.0403.C2
Gene No.	86266	Strand	-
Start	128	End	567
Name	OJ000302_11.0403.C2.o1.gp	Method	AAT/GAP
Start	128	End	567
GI	40118_1.R1084	Score	837
Exons	128..567		
GI Descrip.	'4038034 1.0e-20 (AC005936) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3
Gene No.	86267	Strand	+
Start	2925	End	5970
Name	OJ000302_11.0403.C3.o2.gs	Method	GENSCAN
Start	2925	End	5970
GI	none	Score	.42
Exons	2925..3019, 4408..4567, 5456..5727, 5863..5970		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3
Gene No.	86268	Strand	-
Start	1	End	1300
Name	OJ000302_11.0403.C3.o1.np	Method	AAT/NAP
Start	1	End	1300
GI	2149640	Score	722
Exons	1..237, 311..531, 629..1300		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi|5733867|gb|AAD49755.1|AC007932_3 (AC007932) Identical to gb|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb|H76075, gb|AA720232, gb|N65911 and gb|AA651494 come from this gene.		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3

Gene No.	86268	Strand	-
Start	1	End	1300
Name	OJ000302_11.0403.C3.o1.gs	Method	GENSCAN
Start	88	End	1269
GI	none	Score	.93
Exons	88..237, 311..531, 629..692, 737..1269		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3
Gene No.	86269	Strand	-
Start	1656	End	2143
Name	OJ000302_11.0403.C3.o1.tc	Method	TBLASTX:Cress
Start	81	End	1265
GI	none	Score	112
Exons	81..227, 82..240, 87..239, 341..532, 343..537, 624..770, 626..892, 845..970, 959..1006, 1037..1078, 1188..1265		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3
Gene No.	86269	Strand	-
Start	1656	End	2143
Name	OJ000302_11.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	84	End	692
GI	none	Score	139
Exons	84..239, 85..240, 87..239, 331..522, 340..537, 341..532, 622..672, 624..692, 626..691		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3
Gene No.	86269	Strand	-
Start	1656	End	2143
Name	OJ000302_11.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	87	End	935
GI	none	Score	129
Exons	87..239, 92..244, 93..239, 154..240, 287..442, 299..436, 310..441, 439..537, 440..532, 626..841, 627..842, 627..842, 838..894, 874..933, 882..935		

Seq. No.	41596	Seq. ID	OJ000302_11.0403.C3
Gene No.	86269	Strand	-
Start	1656	End	2143
Name	OJ000302_11.0403.C3.o1.gp	Method	AAT/GAP
Start	1656	End	2143
GI	uC-osflcyp172f08b1	Score	968
Exons	1656..2143		
GI Descrip.	'4337179/gb|AAD18100| 1.0e-17 (AC006416) This gene is continued on the 5'' end of BAC T12M14. [Arabidopsis thaliana]'		

Seq. No.	41597	Seq. ID	OJ000302_11.0403.C5
Gene No.	86270	Strand	+
Start	1	End	2092
Name	OJ000302_11.0403.C5.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	7339707	Score	88
Exons	1..223, 459..576, 1989..2092		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	41597	Seq. ID	OJ000302_11.0403.C5
Gene No.	86270	Strand	+
Start	1	End	2092

Name	OJ000302_11.0403.C5.o1.gs	Method	GENSCAN
Start	132	End	1548
GI	none	Score	.69
Exons	132..316, 500..587, 1381..1548		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86271	Strand	+
Start	229	End	3239
Name	OJ000302_11.0403.C6.o1.gs	Method	GENSCAN
Start	229	End	3239
GI	none	Score	.65
Exons	229..297, 631..792, 1438..1518, 1520..1924, 2032..2108, 2136..2253, 2870..3057, 3209..3239		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86272	Strand	+
Start	14795	End	26021
Name	OJ000302_11.0403.C6.o3.gs	Method	GENSCAN
Start	14795	End	25898
GI	none	Score	.69
Exons	14795..15895, 17728..17826, 18320..18669, 18991..19207, 19380..19459, 19561..19651, 19692..19847, 21184..21309, 21479..21606, 21929..22057, 22059..22270, 22345..22420, 22455..22473, 24298..24549, 24572..24659, 25768..25898		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86272	Strand	+
Start	14795	End	26021
Name	OJ000302_11.0403.C6.o3.np	Method	AAT/NAP
Start	14801	End	19729
GI	7267774	Score	1691
Exons	14801..15696, 15733..15895, 17728..17826, 18154..18237, 18320..18669, 18991..19207, 19380..19459, 19561..19729		
GI Descrip.	(AL161518) putative methyltransferase [Arabidopsis thaliana]		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86272	Strand	+
Start	14795	End	26021
Name	OJ000302_11.0403.C6.o3.gp	Method	AAT/GAP
Start	23482	End	26021
GI	31151_2.R1084	Score	992
Exons	23482..23753, 25768..26021		
GI Descrip.	'4877775/gb|AAD31424.1|AF126531_1 4.0e-09 (AF126531) putative DNA-directed RNA polymerase III C11 subunit [Homo sapiens]'		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86272	Strand	+
Start	14795	End	26021
Name	OJ000302_11.0403.C6.o4.np	Method	AAT/NAP
Start	24349	End	25895
GI	4309697	Score	209
Exons	24349..24468, 24572..24659, 25768..25895		
GI Descrip.	(AC006266) putative DNA-directed RNA polymerase subunit [Arabidopsis thaliana]		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86273	Strand	-

Start	3678	End	13880
Name	OJ000302_11.0403.C6.o2.gs	Method	GENSCAN
Start	3678	End	13880
GI	none	Score	.64
Exons	3678..3829, 4217..4380, 5697..5786, 6853..7004, 7551..7580, 7819..7988, 9111..9185, 9433..9589, 9829..9875, 11006..11286, 11613..11749, 12238..12404, 13343..13880		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86273	Strand	-
Start	3678	End	13880
Name	OJ000302_11.0403.C6.o1.gp	Method	AAT/GAP
Start	6344	End	6996
GI	5003123	Score	1220
Exons	6344..6996		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86273	Strand	-
Start	3678	End	13880
Name	OJ000302_11.0403.C6.o1.np	Method	AAT/NAP
Start	7408	End	11291
GI	4337179	Score	268
Exons	7408..7549, 8394..8525, 9111..9291, 9430..9563, 9773..9875, 11006..11120, 11199..11291		
GI Descrip.	(AC006416) This gene is continued on the 5' end of BAC T12M14. [Arabidopsis thaliana]		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86273	Strand	-
Start	3678	End	13880
Name	OJ000302_11.0403.C6.o2.gp	Method	AAT/GAP
Start	9437	End	11225
GI	5003124	Score	784
Exons	9437..9589, 9829..9875, 11006..11225		
GI Descrip.	4337179/gb|AAD18100| 1.0e-17 (AC006416) This gene is continued on the 5' end of BAC T12M14. [Arabidopsis thaliana]		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86273	Strand	-
Start	3678	End	13880
Name	OJ000302_11.0403.C6.o2.np	Method	AAT/NAP
Start	13311	End	13876
GI	5932554	Score	388
Exons	13311..13876		
GI Descrip.	(AC009465) putative inner mitochondrial membrane protein [Arabidopsis thaliana] gi|6175180|gb|AAF04906.1|AC011437_21 (AC011437) putative inner mitochondrial membrane protein [Arabidopsis thaliana]		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86274	Strand	-
Start	22641	End	30753
Name	OJ000302_11.0403.C6.o5.np	Method	AAT/NAP
Start	22641	End	30753
GI	7489544	Score	879
Exons	22641..22793, 27156..27308, 27381..27771, 27843..28000, 28556..28776, 28860..29087, 30032..30069, 30417..30457,		

	30714..30753
GI Descrip.	probable mitogen activated protein kinase - rice gi|3450842|gb|AAC32599.1| (AF080436) mitogen activated protein kinase kinase [Oryza sativa]

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86274	Strand	-
Start	22641	End	30753
Name	OJ000302_11.0403.C6.o4.gp	Method	AAT/GAP
Start	26367	End	26846
GI	3760971	Score	880
Exons	26367..26846		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86274	Strand	-
Start	22641	End	30753
Name	OJ000302_11.0403.C6.o4.gs	Method	GENSCAN
Start	26584	End	30494
GI	none	Score	.94
Exons	26584..27308, 27381..27771, 27843..28000, 29741..29783, 30417..30494		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86274	Strand	-
Start	22641	End	30753
Name	OJ000302_11.0403.C6.o5.gp	Method	AAT/GAP
Start	29572	End	29735
GI	533_1.R1084	Score	162
Exons	29572..29625, 29648..29735		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	6782	End	7879
GI	none	Score	39
Exons	6782..6820, 6850..7005, 6855..7007, 6856..7005, 6873..7007, 7817..7870, 7817..7879		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o6.tm	Method	TBLASTX:Maize
Start	6850	End	7893
GI	none	Score	196
Exons	6850..7005, 6850..7005, 6873..7007, 7816..7893, 7817..7891, 7819..7893		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	7930	End	9288

GI	none	Score	127
Exons	7930..8001, 8399..8524, 8403..8525, 8404..8559, 9090..9284, 9092..9283, 9106..9288		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o5.tm	Method	TBLASTX:Maize
Start	11007	End	11120
GI	none	Score	64
Exons	11007..11120, 11080..11115		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o3.tc	Method	TBLASTX:Cress
Start	13446	End	13778
GI	none	Score	55
Exons	13446..13778, 13462..13566, 13666..13767		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o5.ts	Method	TBLASTX:Soybean
Start	13461	End	13784
GI	none	Score	71
Exons	13461..13784, 13462..13587, 13497..13598, 13663..13767		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	18362	End	19162
GI	none	Score	478
Exons	18362..18667, 18406..18672, 18413..18664, 18559..18669, 18990..19124, 18991..19161, 18992..19162		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	18452	End	18613
GI	none	Score	291
Exons	18452..18613, 18455..18613		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o4.ts	Method	TBLASTX:Soybean
Start	19361	End	19684
GI	none	Score	135
Exons	19361..19462, 19377..19463, 19530..19676, 19558..19677, 19560..19676, 19561..19683, 19562..19684		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959

Name	OJ000302_11.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	24345	End	25915
GI	none	Score	173
Exons	24345..24419, 24346..24462, 24563..24655, 25762..25899, 25764..25898, 25766..25915, 25767..25907		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	26540	End	28918
GI	none	Score	40
Exons	26540..26584, 26543..26584, 26582..26752, 26590..26748, 26758..26850, 26838..27014, 26839..26985, 26979..27101, 26992..27126, 26997..27098, 27098..27316, 27106..27324, 27106..27315, 27358..27594, 27379..27594, 27380..27595, 27593..27772, 27595..27771, 27846..28001, 27848..28000, 27848..28006, 28552..28773, 28554..28775, 28862..28918, 28863..28913		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o3.ts	Method	TBLASTX:Soybean
Start	27157	End	28002
GI	none	Score	111
Exons	27157..27312, 27157..27324, 27158..27313, 27347..27418, 27371..27418, 27379..27498, 27451..27546, 27637..27771, 27650..27772, 27846..28001, 27850..28002		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	27629	End	28021
GI	none	Score	73
Exons	27629..27733, 27640..27768, 27846..28001, 27850..28002, 27853..28002, 27860..28021		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	28593	End	29057
GI	none	Score	63
Exons	28593..28625, 28642..28755, 28644..28772, 28857..29057, 28859..29056		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	28596	End	29093
GI	none	Score	174
Exons	28596..28778, 28597..28776, 28857..29093, 28859..29086		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6

Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o5.gs	Method	GENSCAN
Start	32244	End	33959
GI	none	Score	.82
Exons	32244..32568, 33793..33959		

Seq. No.	41598	Seq. ID	OJ000302_11.0403.C6
Gene No.	86275	Strand	-
Start	32244	End	33959
Name	OJ000302_11.0403.C6.o6.gp	Method	AAT/GAP
Start	32560	End	32629
GI	uC-osflcyp158c04a1	Score	81
Exons	32560..32629		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	41599	Seq. ID	OJ000302_11.0403.C7
Gene No.	86276	Strand	+
Start	1141	End	7758
Name	OJ000302_11.0403.C7.o1.gs	Method	GENSCAN
Start	1141	End	7758
GI	none	Score	.65
Exons	1141..1189, 2040..2065, 2195..2217, 4590..4729, 4747..4803, 5113..5364, 5505..5645, 5938..6114, 6780..7098, 7152..7518, 7612..7758		

Seq. No.	41599	Seq. ID	OJ000302_11.0403.C7
Gene No.	86276	Strand	+
Start	1141	End	7758
Name	OJ000302_11.0403.C7.o1.np	Method	AAT/NAP
Start	5034	End	7479
GI	7485292	Score	587
Exons	5034..5364, 5505..5645, 6780..7479		
GI Descrip.	hypothetical protein A_TM018A10.3 - Arabidopsis thaliana gi|2252851|gb|AAB62849.1| (AF013294) A_TM018A10.3 gene product [Arabidopsis thaliana] gi|7267430|emb|CAB80900.1| (AL161472) coded for by A. thaliana cDNA T20730; similarity to; contains EST gb:AI992907.1, AA586261, T20730 [Arabidopsis thaliana]		

Seq. No.	41599	Seq. ID	OJ000302_11.0403.C7
Gene No.	86276	Strand	+
Start	1141	End	7758
Name	OJ000302_11.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	5139	End	5360
GI	none	Score	192
Exons	5139..5360, 5168..5290, 5316..5360		

Seq. No.	41599	Seq. ID	OJ000302_11.0403.C7
Gene No.	86276	Strand	+
Start	1141	End	7758
Name	OJ000302_11.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	5196	End	7362
GI	none	Score	176
Exons	5196..5366, 5198..5365, 5504..5659, 6794..7072, 7168..7362		

Seq. No.	41599	Seq. ID	OJ000302_11.0403.C7

Gene No.	86276	Strand	+
Start	1141	End	7758
Name	OJ000302_11.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	6794	End	7105
GI	none	Score	128
Exons	6794..6901, 6796..6882, 6971..7105		

Seq. No.	41599	Seq. ID	OJ000302_11.0403.C7
Gene No.	86276	Strand	+
Start	1141	End	7758
Name	OJ000302_11.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	7082	End	7347
GI	none	Score	61
Exons	7082..7147, 7105..7143, 7167..7220, 7167..7337, 7168..7338, 7234..7347		

Seq. No.	41600	Seq. ID	OJ000302_11.0403.C8
Gene No.	86277	Strand	+
Start	10	End	306
Name	OJ000302_11.0403.C8.o1.gs	Method	GENSCAN
Start	10	End	306
GI	none	Score	.78
Exons	10..101, 195..306		

Seq. No.	41600	Seq. ID	OJ000302_11.0403.C8
Gene No.	86278	Strand	-
Start	1273	End	2478
Name	OJ000302_11.0403.C8.o2.gs	Method	GENSCAN
Start	1273	End	2459
GI	none	Score	.74
Exons	1273..1514, 1689..1710, 2235..2459		

Seq. No.	41600	Seq. ID	OJ000302_11.0403.C8
Gene No.	86278	Strand	-
Start	1273	End	2478
Name	OJ000302_11.0403.C8.o1.gp	Method	AAT/GAP
Start	1858	End	2478
GI	15801_1.R1084	Score	1188
Exons	1858..2478		
GI Descrip.	'2252851 1.0e-15 (AF013294) No definition line found [Arabidopsis thaliana]'		

Seq. No.	41600	Seq. ID	OJ000302_11.0403.C8
Gene No.	86278	Strand	-
Start	1273	End	2478
Name	OJ000302_11.0403.C8.o1.np	Method	AAT/NAP
Start	2271	End	2478
GI	7487768	Score	84
Exons	2271..2478		
GI Descrip.	hypothetical protein T6K21.150 - Arabidopsis thaliana gi|2894606|emb|CAA17140.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268549|emb|CAB78799.1| (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	41601	Seq. ID	OJ000302_11.0403.C9
Gene No.	86279	Strand	+
Start	6206	End	7409

Name	OJ000302_11.0403.C9.o2.gs	Method	GENSCAN
Start	6206	End	7409
GI	none	Score	.74
Exons	6206..6290, 6372..6573, 7069..7162, 7167..7409		

Seq. No.	41601	Seq. ID	OJ000302_11.0403.C9
Gene No.	86280	Strand	-
Start	1	End	1102
Name	OJ000302_11.0403.C9.o1.gp	Method	AAT/GAP
Start	1	End	313
GI	4880323	Score	585
Exons	1..313		
GI Descrip.	6041820/gb|AAF02135.1|AC009918_7 3.0e-18 (AC009918) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41601	Seq. ID	OJ000302_11.0403.C9
Gene No.	86280	Strand	-
Start	1	End	1102
Name	OJ000302_11.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	1087
GI	7485292	Score	608
Exons	1..354, 512..652, 754..1087		
GI Descrip.	hypothetical protein A_TM018A10.3 - Arabidopsis thaliana gi|2252851|gb|AAB62849.1| (AF013294) A_TM018A10.3 gene product [Arabidopsis thaliana] gi|7267430|emb|CAB80900.1| (AL161472) coded for by A. thaliana cDNA T20730; similarity to; contains EST gb:AI992907.1, AA586261, T20730 [Arabidopsis thaliana]		

Seq. No.	41601	Seq. ID	OJ000302_11.0403.C9
Gene No.	86280	Strand	-
Start	1	End	1102
Name	OJ000302_11.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	63	End	653
GI	none	Score	100
Exons	63..149, 230..340, 231..338, 558..653		

Seq. No.	41601	Seq. ID	OJ000302_11.0403.C9
Gene No.	86280	Strand	-
Start	1	End	1102
Name	OJ000302_11.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	63	End	923
GI	none	Score	76
Exons	63..149, 152..340, 791..922, 792..923		

Seq. No.	41601	Seq. ID	OJ000302_11.0403.C9
Gene No.	86280	Strand	-
Start	1	End	1102
Name	OJ000302_11.0403.C9.o1.gs	Method	GENSCAN
Start	151	End	1102
GI	none	Score	.91
Exons	151..354, 512..652, 754..1102		

Seq. No.	41602	Seq. ID	OJ000302_11.0403.C10
Gene No.	86281	Strand	
Start	1153	End	1389
Name	OJ000302_11.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	1153	End	1389

GI	none	Score	44
Exons	1153..1239, 1160..1246, 1235..1387, 1243..1389		

Seq. No.	41603	Seq. ID	OJ000222_15.0406.C1
Gene No.	86282	Strand	+
Start	1169	End	3226
Name	OJ000222_15.0406.C1.o1.gs	Method	GENSCAN
Start	1169	End	3226
GI	none	Score	.88
Exons	1169..1183, 1556..1727, 3153..3226		

Seq. No.	41603	Seq. ID	OJ000222_15.0406.C1
Gene No.	86283	Strand	-
Start	4415	End	4540
Name	OJ000222_15.0406.C1.o2.gs	Method	GENSCAN
Start	4415	End	4540
GI	none	Score	.42
Exons	4415..4540		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86284	Strand	+
Start	68	End	280
Name	OJ000222_15.0406.C2.o1.gs	Method	GENSCAN
Start	68	End	280
GI	none	Score	.5
Exons	68..280		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86285	Strand	+
Start	311	End	5872
Name	OJ000222_15.0406.C2.o1.np	Method	AAT/NAP
Start	311	End	5863
GI	7485429	Score	1287
Exons	311..462, 3710..3911, 4063..4348, 4439..5863		
GI Descrip.	hypothetical protein F13M22.15 - Arabidopsis thaliana gi|3236247|gb|AAC23635.1| (AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86285	Strand	+
Start	311	End	5872
Name	OJ000222_15.0406.C2.o2.gs	Method	GENSCAN
Start	3416	End	5872
GI	none	Score	.52
Exons	3416..5872		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86285	Strand	+
Start	311	End	5872
Name	OJ000222_15.0406.C2.o1.gp	Method	AAT/GAP
Start	4097	End	4827
GI	none	Score	1451
Exons	4097..4827		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86286	Strand	+
Start	14237	End	21219

Name	OJ000222_15.0406.C2.o3.np	Method	AAT/NAP
Start	14237	End	21219
GI	5777623	Score	1062
Exons	14237..14285, 17240..17466, 17719..17822, 17989..18544, 19377..19622, 21195..21219		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86286	Strand	+
Start	14237	End	21219
Name	OJ000222_15.0406.C2.o7.gs	Method	GENSCAN
Start	19837	End	20428
GI	none	Score	.82
Exons	19837..19891, 20355..20428		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86287	Strand	-
Start	5382	End	6298
Name	OJ000222_15.0406.C2.o2.gp	Method	AAT/GAP
Start	5382	End	6298
GI	3411_1.R1084	Score	1815
Exons	5382..6298		
GI Descrip.	'3236247 4.0e-54 (AC004684) SCARECROW-like protein [Arabidopsis thaliana]'		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86288	Strand	-
Start	8152	End	8352
Name	OJ000222_15.0406.C2.o3.gs	Method	GENSCAN
Start	8152	End	8352
GI	none	Score	.98
Exons	8152..8352		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86289	Strand	-
Start	9347	End	9901
Name	OJ000222_15.0406.C2.o4.gs	Method	GENSCAN
Start	9347	End	9901
GI	none	Score	.87
Exons	9347..9543, 9832..9901		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86290	Strand	-
Start	10908	End	13584
Name	OJ000222_15.0406.C2.o3.gp	Method	AAT/GAP
Start	10690	End	13410
GI	838_1.R1084	Score	3592
Exons	10690..11038, 11144..12117, 12618..12746, 12904..13148, 13231..13410		
GI Descrip.	'2920654/gb|AAC04576.1| 0.0e+00 (AF047697) putative high-pI laccase [Oryza sativa]'		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86290	Strand	-
Start	10908	End	13584
Name	OJ000222_15.0406.C2.o5.gs	Method	GENSCAN
Start	10908	End	13584

GI	none	Score	.87
Exons	10908..11038, 11144..11915, 11960..12117, 12618..12746, 12832..13148, 13231..13382, 13483..13584		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86290	Strand	-
Start	10908	End	13584
Name	OJ000222_15.0406.C2.o2.np	Method	AAT/NAP
Start	10911	End	13406
GI	7432996	Score	2776
Exons	10911..11038, 11144..12117, 12618..12746, 12904..13148, 13231..13406		
GI Descrip.	probable laccase (EC 1.10.3.2) - rice (fragment) gi|2920654|gb|AAC04576.1| (AF047697) putative high-pI laccase [Oryza sativa]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86291	Strand	-
Start	18062	End	18635
Name	OJ000222_15.0406.C2.o6.gs	Method	GENSCAN
Start	18062	End	18635
GI	none	Score	.46
Exons	18062..18222, 18245..18635		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86292	Strand	-
Start	19528	End	24851
Name	OJ000222_15.0406.C2.o4.np	Method	AAT/NAP
Start	19528	End	22782
GI	4680186	Score	208
Exons	19528..19946, 20417..20475, 22728..22782		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86292	Strand	-
Start	19528	End	24851
Name	OJ000222_15.0406.C2.o8.gs	Method	GENSCAN
Start	22448	End	24807
GI	none	Score	.95
Exons	22448..22578, 22728..23699, 23786..23914, 24036..24280, 24405..24556, 24703..24807		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86292	Strand	-
Start	19528	End	24851
Name	OJ000222_15.0406.C2.o5.np	Method	AAT/NAP
Start	22451	End	24580
GI	7432996	Score	2203
Exons	22451..22578, 22728..23699, 23786..23914, 24036..24280, 24405..24580		
GI Descrip.	probable laccase (EC 1.10.3.2) - rice (fragment) gi|2920654|gb|AAC04576.1| (AF047697) putative high-pI laccase [Oryza sativa]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86292	Strand	-
Start	19528	End	24851

Name	OJ000222_15.0406.C2.o4.gp	Method	AAT/GAP
Start	24123	End	24851
GI	2428160	Score	805
Exons	24123..24280, 24405..24556, 24703..24851		
GI Descrip.	2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o5.tm	Method	TBLASTX:Maize
Start	4388	End	4827
GI	none	Score	343
Exons	4388..4651, 4407..4610, 4408..4827, 4442..4825		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o6.ts	Method	TBLASTX:Soybean
Start	4733	End	5170
GI	none	Score	260
Exons	4733..5170, 4985..5170		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o1.tc	Method	TBLASTX:Cress
Start	4889	End	5662
GI	none	Score	228
Exons	4889..5125, 4951..5139, 5116..5217, 5126..5662, 5147..5587, 5344..5661		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	4997	End	5976
GI	none	Score	1364
Exons	4997..5860, 4999..5853, 5717..5857, 5938..5976		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o6.tw	Method	TBLASTX:Wheat
Start	5111	End	5512
GI	none	Score	195
Exons	5111..5512, 5128..5169		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o3.ts	Method	TBLASTX:Soybean
Start	5180	End	5853
GI	none	Score	638
Exons	5180..5755, 5182..5262, 5195..5629, 5341..5751, 5759..5851, 5806..5853		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o1.tw	Method	TBLASTX:Wheat
Start	5604	End	5928
GI	none	Score	134
Exons	5604..5708, 5604..5846, 5606..5848, 5902..5928		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o8.tc	Method	TBLASTX:Cress
Start	5663	End	5851
GI	none	Score	84
Exons	5663..5755, 5759..5851		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o3.tm	Method	TBLASTX:Maize
Start	10908	End	23146
GI	none	Score	147
Exons	10908..11039, 10914..11033, 11131..11562, 11142..11558, 11395..11562, 22435..22578, 22448..22579, 22452..22580, 22724..23146, 22726..23142		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o5.tc	Method	TBLASTX:Cress
Start	10914	End	23088
GI	none	Score	63
Exons	10914..11036, 10944..11036, 10963..11037, 11253..11504, 11263..11496, 22479..22577, 22484..22576, 22518..22577, 22798..22827, 22799..22888, 22835..23080, 22882..23088		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o2.ts	Method	TBLASTX:Soybean
Start	10978	End	23529
GI	none	Score	77
Exons	10978..11037, 10980..11036, 11131..11496, 11145..11519, 11523..11576, 11544..11795, 11557..11757, 11820..11948, 11821..11856, 11866..11934, 22518..22577, 22520..22579, 22520..22576, 22729..23109, 22730..23161, 23083..23160, 23128..23358, 23129..23356, 23236..23529, 23447..23527		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o7.tc	Method	TBLASTX:Cress
Start	11523	End	23646
GI	none	Score	116
Exons	11523..11591, 11649..11759, 11832..11906, 11942..12064, 23107..23175, 23227..23337, 23341..23472, 23506..23646		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o7.tm	Method	TBLASTX:Maize
Start	11643	End	23682
GI	none	Score	45
Exons	11643..11753, 11839..11871, 11942..12100, 23242..23337, 23272..23331, 23405..23452, 23409..23432, 23464..23682, 23506..23682		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o3.tw	Method	TBLASTX:Wheat
Start	11872	End	23700
GI	none	Score	195
Exons	11872..11934, 11942..12118, 23440..23700, 23503..23700		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o5.ts	Method	TBLASTX:Soybean
Start	11948	End	23867
GI	none	Score	99
Exons	11948..12118, 12569..12697, 12613..12702, 23530..23706, 23533..23700, 23787..23867, 23794..23865		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o8.tm	Method	TBLASTX:Maize
Start	12569	End	23916
GI	none	Score	146
Exons	12569..12748, 12613..12747, 23787..23915, 23787..23915, 23788..23916		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o4.ts	Method	TBLASTX:Soybean
Start	12703	End	24565
GI	none	Score	217
Exons	12703..12750, 12896..13147, 12903..13148, 13230..13382, 13243..13371, 13474..13512, 23871..23921, 24026..24280, 24034..24279, 24401..24565, 24405..24512		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o3.tc	Method	TBLASTX:Cress
Start	12885	End	24478
GI	none	Score	236
Exons	12885..13148, 12896..13147, 13230..13307, 23871..23921, 23872..23916, 24026..24280, 24034..24279, 24401..24478		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2

Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o2.tw	Method	TBLASTX:Wheat
Start	12896	End	24279
GI	none	Score	234
Exons	12896..13147, 12903..13145, 24008..24277, 24034..24279		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o6.tm	Method	TBLASTX:Maize
Start	12896	End	24463
GI	none	Score	293
Exons	12896..13147, 12906..13148, 24026..24280, 24040..24279, 24197..24301, 24401..24463		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o6.np	Method	AAT/NAP
Start	26913	End	31471
GI	7487874	Score	2480
Exons	26913..26988, 27570..27973, 28048..28275, 28814..29581, 29751..30236, 31384..31471		
GI Descrip.	hypothetical protein T9I4.16 - Arabidopsis thaliana gi|3461848|gb|AAC33234.1| (AC005315) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o9.gs	Method	GENSCAN
Start	27509	End	32568
GI	none	Score	.93
Exons	27509..27973, 28048..28275, 28814..29581, 29751..30233, 31384..31511, 32040..32108, 32189..32393, 32506..32568		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o2.tm	Method	TBLASTX:Maize
Start	27519	End	29850
GI	none	Score	370
Exons	27519..27965, 27545..27976, 27566..27976, 27574..28008, 28044..28127, 28045..28278, 28046..28276, 28047..28277, 28811..29584, 28812..29219, 28982..29401, 29259..29582, 29456..29584, 29739..29840, 29743..29850		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o4.tc	Method	TBLASTX:Cress
Start	27563	End	28083
GI	none	Score	38
Exons	27563..27640, 27576..27641, 27629..27661, 27662..27973, 27705..27965, 28052..28081, 28054..28083		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	27644	End	30116
GI	none	Score	234
Exons	27644..27976, 27705..27965, 28045..28278, 28046..28276, 28048..28278, 28788..29219, 28811..29401, 28811..29584, 29122..29568, 29259..29576, 29742..29876, 29742..29813, 29818..30048, 29853..30116, 29901..30113		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o2.tc	Method	TBLASTX:Cress
Start	28153	End	29567
GI	none	Score	71
Exons	28153..28248, 28154..28249, 28826..28972, 28827..28970, 28988..29221, 29046..29219, 29258..29566, 29262..29567		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o7.np	Method	AAT/NAP
Start	28761	End	34020
GI	6174838	Score	76
Exons	28761..28795, 33809..34020		
GI Descrip.	(AB026890) transcription factor NtWRKY4 [Nicotiana tabacum]		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o4.tw	Method	TBLASTX:Wheat
Start	28826	End	29158
GI	none	Score	53
Exons	28826..28972, 28911..28970, 28988..29158, 29021..29152, 29046..29156		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o5.gp	Method	AAT/GAP
Start	29052	End	29534
GI	uC-osflcyp065b11b1	Score	946
Exons	29052..29534		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o5.tw	Method	TBLASTX:Wheat
Start	29258	End	29515
GI	none	Score	149
Exons	29258..29515, 29259..29486		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o7.tw	Method	TBLASTX:Wheat
Start	29850	End	30050
GI	none	Score	130
Exons	29850..30050, 29854..30015		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o4.tm	Method	TBLASTX:Maize
Start	29851	End	30240
GI	none	Score	199
Exons	29851..30108, 29853..30113, 29854..30111, 29858..30130, 30129..30236, 30130..30234, 30130..30240		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o6.tc	Method	TBLASTX:Cress
Start	29883	End	30236
GI	none	Score	63
Exons	29883..30101, 29910..30101, 30129..30236, 30130..30234		

Seq. No.	41604	Seq. ID	OJ000222_15.0406.C2
Gene No.	86293	Strand	-
Start	27509	End	37149
Name	OJ000222_15.0406.C2.o10.gs	Method	GENSCAN
Start	33462	End	37149
GI	none	Score	.91
Exons	33462..34020, 34048..34210, 36616..36683, 37022..37149		

Seq. No.	41605	Seq. ID	OJ000222_15.0406.C3
Gene No.	86294	Strand	+
Start	2462	End	2576
Name	OJ000222_15.0406.C3.o1.np	Method	AAT/NAP
Start	2462	End	2576
GI	6815099	Score	103
Exons	2462..2576		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41605	Seq. ID	OJ000222_15.0406.C3
Gene No.	86295	Strand	+
Start	10248	End	10332
Name	OJ000222_15.0406.C3.o2.np	Method	AAT/NAP
Start	10248	End	10332
GI	6721547	Score	94
Exons	10248..10332		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	41605	Seq. ID	OJ000222_15.0406.C3
Gene No.	86296	Strand	-
Start	859	End	1839
Name	OJ000222_15.0406.C3.o1.gs	Method	GENSCAN
Start	859	End	1839
GI	none	Score	.9

Exons	859..946, 1187..1306, 1412..1839		
Seq. No.	41605	Seq. ID	OJ000222_15.0406.C3
Gene No.	86297	Strand	-
Start	8420	End	8709
Name	OJ000222_15.0406.C3.o3.gs	Method	GENSCAN
Start	8420	End	8709
GI	none	Score	.47
Exons	8420..8513, 8574..8709		
Seq. No.	41606	Seq. ID	OJ000222_15.0406.C4
Gene No.	86298	Strand	+
Start	1381	End	1833
Name	OJ000222_15.0406.C4.o1.np	Method	AAT/NAP
Start	1381	End	1833
GI	7523502	Score	106
Exons	1381..1487, 1788..1833		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	41606	Seq. ID	OJ000222_15.0406.C4
Gene No.	86298	Strand	+
Start	1381	End	1833
Name	OJ000222_15.0406.C4.o2.np	Method	AAT/NAP
Start	1694	End	1833
GI	6539588	Score	120
Exons	1694..1833		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	41607	Seq. ID	OJ000222_15.0406.C5
Gene No.	86299	Strand	+
Start	242	End	1811
Name	OJ000222_15.0406.C5.o1.np	Method	AAT/NAP
Start	242	End	1811
GI	4773900	Score	63
Exons	242..496, 1791..1811		
GI Descrip.	(AF074021) putative transposon protein [Arabidopsis thaliana]		
Seq. No.	41608	Seq. ID	OJ000222_15.0406.C6
Gene No.	86300	Strand	+
Start	297	End	1865
Name	OJ000222_15.0406.C6.o1.np	Method	AAT/NAP
Start	297	End	1865
GI	6539588	Score	123
Exons	297..560, 1828..1865		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	41608	Seq. ID	OJ000222_15.0406.C6
Gene No.	86301	Strand	-
Start	692	End	1813
Name	OJ000222_15.0406.C6.o1.gs	Method	GENSCAN
Start	692	End	1813
GI	none	Score	.46
Exons	692..1813		
Seq. No.	41608	Seq. ID	OJ000222_15.0406.C6
Gene No.	86302	Strand	-
Start	2671	End	3565

Name	OJ000222_15.0406.C6.o2.gs	Method	GENSCAN
Start	2671	End	3565
GI	none	Score	.82
Exons	2671..3046, 3270..3565		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86303	Strand	+
Start	5078	End	16108
Name	OJ000222_15.0406.C7.o3.gs	Method	GENSCAN
Start	5078	End	16108
GI	none	Score	.66
Exons	5078..5119, 6012..6253, 6353..6485, 6577..6723, 7614..7790, 7911..8159, 8806..8861, 10005..10071, 10360..10472, 11280..11430, 11794..11980, 12012..12090, 13604..13842, 14082..14426, 14915..14997, 15077..15329, 15445..15587, 15914..16108		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86303	Strand	+
Start	5078	End	16108
Name	OJ000222_15.0406.C7.o1.gp	Method	AAT/GAP
Start	14606	End	14948
GI	LIB3431-035-P1-N1-A8	Score	635
Exons	14606..14948		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86304	Strand	+
Start	16704	End	22767
Name	OJ000222_15.0406.C7.o4.gs	Method	GENSCAN
Start	16704	End	22767
GI	none	Score	.72
Exons	16704..16975, 18388..18502, 19152..19194, 20395..20923, 21033..21280, 21361..21489, 21572..22181, 22284..22528, 22637..22767		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86304	Strand	+
Start	16704	End	22767
Name	OJ000222_15.0406.C7.o1.np	Method	AAT/NAP
Start	20555	End	22764
GI	1621465	Score	1903
Exons	20555..20671, 20772..20923, 21033..21275, 21359..21489, 21572..22528, 22637..22764		
GI Descrip.	(U73105) laccase [Liriodendron tulipifera]		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86305	Strand	-
Start	16	End	2019
Name	OJ000222_15.0406.C7.o1.gs	Method	GENSCAN
Start	16	End	2019
GI	none	Score	.95
Exons	16..195, 508..550, 914..2019		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7

Gene No.	86306	Strand	-
Start	2966	End	4231
Name	OJ000222_15.0406.C7.o2.gs	Method	GENSCAN
Start	2966	End	4231
GI	none	Score	.79
Exons	2966..4231		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86307	Strand	-
Start	22460	End	26264
Name	OJ000222_15.0406.C7.o2.np	Method	AAT/NAP
Start	22460	End	26264
GI	6721547	Score	98
Exons	22460..22530, 26180..26264		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o3.tc	Method	TBLASTX:Cress
Start	6081	End	6627
GI	none	Score	74
Exons	6081..6161, 6082..6162, 6204..6251, 6327..6491, 6371..6493, 6574..6627, 6582..6626		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o3.tm	Method	TBLASTX:Maize
Start	6347	End	8009
GI	none	Score	184
Exons	6347..6493, 6351..6491, 6406..6504, 6562..6717, 6574..6726, 6582..6725, 7608..7793, 7611..7808, 7868..7999, 7875..8003, 7908..8009		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o4.ts	Method	TBLASTX:Soybean
Start	7647	End	8165
GI	none	Score	219
Exons	7647..7793, 7647..7793, 7866..8165, 7875..8159		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o6.tm	Method	TBLASTX:Maize
Start	8010	End	12271
GI	none	Score	124
Exons	8010..8132, 8058..8132, 8139..8165, 8600..8671, 8600..8671, 8602..8673, 8805..8861, 8806..8859, 9059..9181, 9079..9186, 9081..9158, 9695..9904, 9699..9923, 9700..9903, 9701..9904, 10003..10071, 10003..10071, 10357..10470, 10359..10487, 10360..10470, 10364..10483, 11277..11435, 11278..11436, 11793..11978, 11794..11979, 12212..12271		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7

Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o5.ts	Method	TBLASTX:Soybean
Start	9699	End	11979
GI	none	Score	182
Exons	9699..9923, 9699..9890, 9701..9895, 10365..10472, 10366..10473, 10385..10483, 11277..11435, 11284..11436, 11730..11978, 11731..11979, 11794..11979		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o4.tm	Method	TBLASTX:Maize
Start	16775	End	16975
GI	none	Score	341
Exons	16775..16975, 16776..16967		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o2.ts	Method	TBLASTX:Soybean
Start	20772	End	21452
GI	none	Score	160
Exons	20772..20924, 20772..20960, 21033..21266, 21034..21276, 21357..21452		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o1.tc	Method	TBLASTX:Cress
Start	20847	End	21404
GI	none	Score	67
Exons	20847..20924, 21033..21266, 21034..21276, 21357..21404, 21359..21403		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o5.tm	Method	TBLASTX:Maize
Start	20856	End	21276
GI	none	Score	59
Exons	20856..20924, 21033..21272, 21034..21276		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o2.tw	Method	TBLASTX:Wheat
Start	21034	End	21276
GI	none	Score	263
Exons	21034..21276, 21036..21266		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o7.tm	Method	TBLASTX:Maize
Start	21359	End	21518
GI	none	Score	201

Exons	21359..21481, 21360..21518		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o3.ts	Method	TBLASTX:Soybean
Start	21452	End	21873
GI	none	Score	59
Exons	21452..21481, 21453..21488, 21570..21677, 21570..21752, 21571..21756, 21580..21756, 21757..21873, 21801..21872		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o1.tw	Method	TBLASTX:Wheat
Start	21552	End	21849
GI	none	Score	268
Exons	21552..21818, 21571..21849, 21571..21765, 21579..21848		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o2.tm	Method	TBLASTX:Maize
Start	21588	End	22035
GI	none	Score	329
Exons	21588..21803, 21589..21804, 21775..21855, 21788..21805, 21807..21854, 21861..21890, 21862..21882, 21934..22035, 21939..22028		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o1.ts	Method	TBLASTX:Soybean
Start	21951	End	22775
GI	none	Score	120
Exons	21951..22091, 21952..22092, 22081..22170, 22275..22529, 22276..22530, 22608..22775, 22636..22767		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	22114	End	22772
GI	none	Score	69
Exons	22114..22218, 22205..22276, 22206..22283, 22266..22529, 22267..22530, 22635..22772, 22636..22767		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o2.tc	Method	TBLASTX:Cress
Start	22386	End	22767
GI	none	Score	140
Exons	22386..22529, 22420..22530, 22635..22763, 22636..22767		
Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-

Start	28334	End	32051
Name	OJ000222_15.0406.C7.o5.gs	Method	GENSCAN
Start	28334	End	32051
GI	none	Score	.65
Exons	28334..28350, 30938..31024, 31330..31506, 31603..31759, 31941..32051		

Seq. No.	41609	Seq. ID	OJ000222_15.0406.C7
Gene No.	86308	Strand	-
Start	28334	End	32051
Name	OJ000222_15.0406.C7.o3.tw	Method	TBLASTX:Wheat
Start	28867	End	29091
GI	none	Score	115
Exons	28867..29091, 28879..29088		

Seq. No.	41610	Seq. ID	OJ000222_15.0406.C9
Gene No.	86309	Strand	+
Start	1226	End	1461
Name	OJ000222_15.0406.C9.o1.gs	Method	GENSCAN
Start	1226	End	1461
GI	none	Score	.99
Exons	1226..1461		

Seq. No.	41610	Seq. ID	OJ000222_15.0406.C9
Gene No.	86309	Strand	+
Start	1226	End	1461
Name	OJ000222_15.0406.C9.o1.np	Method	AAT/NAP
Start	1330	End	1452
GI	4850407	Score	91
Exons	1330..1452		
GI Descrip.	(AC007357) EST gb|T21221 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86310	Strand	+
Start	4544	End	5571
Name	OJ000222_17.0406.C1.o2.gs	Method	GENSCAN
Start	4544	End	5571
GI	none	Score	.59
Exons	4544..5219, 5477..5571		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.np	Method	AAT/NAP
Start	1	End	3149
GI	4680204	Score	1000
Exons	1..137, 234..407, 519..1617, 1713..3149		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o2.np	Method	AAT/NAP
Start	1	End	10817
GI	5852180	Score	584
Exons	1..87, 3920..3959, 4664..5072, 5124..5241, 6224..6281,		

10769..10817
GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.gs	Method	GENSCAN
Start	27	End	3134
GI	none	Score	.51
Exons	27..137, 234..407, 519..1350, 1476..1617, 1713..1832, 1878..2177, 2244..3134		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.gp	Method	AAT/GAP
Start	619	End	1100
GI	uC-osf1cyp176f10b1	Score	848
Exons	619..1100		

GI Descrip. '6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o6.tw	Method	TBLASTX:Wheat
Start	1405	End	2102
GI	none	Score	56
Exons	1405..1626, 1550..1624, 1707..1778, 2022..2102		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o5.tw	Method	TBLASTX:Wheat
Start	2103	End	2508
GI	none	Score	42
Exons	2103..2198, 2103..2198, 2236..2508, 2268..2504		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o2.gp	Method	AAT/GAP
Start	7775	End	11799
GI	342_1.R1084	Score	6949
Exons	7775..11799		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o3.np	Method	AAT/NAP
Start	8498	End	12054
GI	4680203	Score	3209
Exons	8498..9472, 9748..9978, 10132..11803, 12014..12054		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.tw	Method	TBLASTX:Wheat
Start	8552	End	9865
GI	none	Score	44
Exons	8552..8614, 8632..8712, 8648..8713, 8725..8838, 8726..8839, 8734..8844, 8813..8911, 8845..8901, 8903..8950, 8909..8953, 8963..9280, 8978..9640, 9237..9638, 9377..9643, 9632..9865, 9640..9864		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.tc	Method	TBLASTX:Cress
Start	9130	End	9582
GI	none	Score	184
Exons	9130..9381, 9131..9568, 9131..9574, 9141..9578, 9237..9578, 9322..9582		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o2.tm	Method	TBLASTX:Maize
Start	9509	End	9822
GI	none	Score	78
Exons	9509..9634, 9537..9662, 9637..9822, 9650..9811		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o3.tw	Method	TBLASTX:Wheat
Start	9866	End	10276
GI	none	Score	81
Exons	9866..9952, 9868..9951, 9985..10203, 10025..10207, 10213..10275, 10226..10276		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o2.ts	Method	TBLASTX:Soybean
Start	10309	End	10551
GI	none	Score	217
Exons	10309..10551		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	10381	End	10826
GI	none	Score	51
Exons	10381..10575, 10576..10710, 10585..10704, 10704..10826, 10705..10818		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-

Start	1	End	12054
Name	OJ000222_17.0406.C1.o2.tw	Method	TBLASTX:Wheat
Start	10415	End	10883
GI	none	Score	175
Exons	10415..10621, 10415..10624, 10420..10623, 10420..10644, 10624..10710, 10625..10711, 10725..10829, 10729..10818, 10830..10883, 10831..10875		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o2.tc	Method	TBLASTX:Cress
Start	10704	End	11019
GI	none	Score	72
Exons	10704..11012, 10732..10827, 10867..11019		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o1.ts	Method	TBLASTX:Soybean
Start	10752	End	11181
GI	none	Score	108
Exons	10752..11048, 10770..10994, 11043..11105, 11098..11181, 11106..11180		

Seq. No.	41611	Seq. ID	OJ000222_17.0406.C1
Gene No.	86311	Strand	-
Start	1	End	12054
Name	OJ000222_17.0406.C1.o4.tw	Method	TBLASTX:Wheat
Start	11097	End	11452
GI	none	Score	158
Exons	11097..11354, 11110..11352, 11112..11363, 11113..11355, 11346..11387, 11378..11452		

Seq. No.	41612	Seq. ID	OJ000222_17.0406.C3
Gene No.	86312	Strand	+
Start	559	End	635
Name	OJ000222_17.0406.C3.o1.gs	Method	GENSCAN
Start	559	End	635
GI	none	Score	.56
Exons	559..635		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86313	Strand	+
Start	1	End	5115
Name	OJ000222_17.0406.C9.o1.np	Method	AAT/NAP
Start	1	End	3141
GI	6721512	Score	111
Exons	1..40, 1336..1451, 1479..1611, 1654..1754, 3069..3141		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86313	Strand	+
Start	1	End	5115
Name	OJ000222_17.0406.C9.o1.gs	Method	GENSCAN
Start	1490	End	5115
GI	none	Score	.61

Exons	1490..1611, 1654..1690, 2015..2148, 2169..2367, 2783..3002, 3097..3221, 3468..3622, 3693..4048, 4115..4418, 4537..4661, 4776..4964, 4970..5115		
Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86313	Strand	+
Start	1	End	5115
Name	OJ000222_17.0406.C9.o3.np	Method	AAT/NAP
Start	2367	End	4419
GI	6721561	Score	477
Exons	2367..2440, 3297..3506, 3658..4419		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o4.np	Method	AAT/NAP
Start	5885	End	8660
GI	5902445	Score	2402
Exons	5885..7158, 7197..8660		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o4.tw	Method	TBLASTX:Wheat
Start	5894	End	6490
GI	none	Score	59
Exons	5894..6025, 5895..6020, 6170..6490, 6246..6353, 6399..6488		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o2.gs	Method	GENSCAN
Start	6032	End	8595
GI	none	Score	.76
Exons	6032..6693, 6895..7131, 7197..8160, 8251..8595		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o2.tw	Method	TBLASTX:Wheat
Start	6621	End	7009
GI	none	Score	218
Exons	6621..7001, 6626..7009		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	6662	End	7123
GI	none	Score	58
Exons	6662..7123, 6663..6776, 6801..7004		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o3.tw	Method	TBLASTX:Wheat
Start	7510	End	7917
GI	none	Score	64
Exons	7510..7683, 7511..7654, 7693..7917		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	8008	End	8432
GI	none	Score	98
Exons	8008..8256, 8274..8432, 8284..8406		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o1.tw	Method	TBLASTX:Wheat
Start	8065	End	8483
GI	none	Score	74
Exons	8065..8259, 8069..8242, 8253..8483, 8254..8481		

Seq. No.	41613	Seq. ID	OJ000222_17.0406.C9
Gene No.	86314	Strand	-
Start	5885	End	8660
Name	OJ000222_17.0406.C9.o2.tm	Method	TBLASTX:Maize
Start	8161	End	8499
GI	none	Score	148
Exons	8161..8274, 8271..8492, 8281..8499		

Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86315	Strand	+
Start	41	End	617
Name	OJ000222_17.0406.C10.o1.gs	Method	GENSCAN
Start	41	End	617
GI	none	Score	.75
Exons	41..167, 532..617		

Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86316	Strand	+
Start	1050	End	1431
Name	OJ000222_17.0406.C10.o1.gp	Method	AAT/GAP
Start	1050	End	1431
GI	uC-osflcyp033a04b1	Score	683
Exons	1050..1431		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86317	Strand	+
Start	7711	End	8253
Name	OJ000222_17.0406.C10.o4.gs	Method	GENSCAN
Start	7711	End	8253
GI	none	Score	.89

Exons	7711..7809, 7902..8016, 8111..8253		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-
Start	2135	End	12175
Name	OJ000222_17.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	2102	End	2364
GI	none	Score	157
Exons	2102..2323, 2119..2364		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-
Start	2135	End	12175
Name	OJ000222_17.0406.C10.o1.np	Method	AAT/NAP
Start	2135	End	12175
GI	4680183	Score	884
Exons	2135..2346, 2434..2474, 2959..3126, 5904..6715, 9986..10197, 10417..10614, 11874..11932, 12117..12175		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-
Start	2135	End	12175
Name	OJ000222_17.0406.C10.o1.tw	Method	TBLASTX:Wheat
Start	2135	End	2493
GI	none	Score	300
Exons	2135..2485, 2137..2493, 2149..2493		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-
Start	2135	End	12175
Name	OJ000222_17.0406.C10.o2.tw	Method	TBLASTX:Wheat
Start	2717	End	3134
GI	none	Score	129
Exons	2717..2935, 2748..2930, 2753..2941, 2823..2939, 2978..3133, 3051..3134		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-
Start	2135	End	12175
Name	OJ000222_17.0406.C10.o2.gp	Method	AAT/GAP
Start	5728	End	5889
GI	3106931	Score	227
Exons	5728..5889		
GI Descrip.	4680335/gb|AF128457.1|AF128457 2.0e-28 Oryza sativa subsp. indica BAC clone 16F19 php20725 region, complete sequence		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-
Start	2135	End	12175
Name	OJ000222_17.0406.C10.o3.tw	Method	TBLASTX:Wheat
Start	6482	End	10141
GI	none	Score	105
Exons	6482..6721, 6576..6719, 9989..10021, 10004..10141		
Seq. No.	41614	Seq. ID	OJ000222_17.0406.C10
Gene No.	86318	Strand	-

Start	2135	End	12175
Name	OJ000222_17.0406.C10.o5.gs	Method	GENSCAN
Start	10009	End	11650
GI	none	Score	.93
Exons	10009..10595, 10603..11650		

Seq. No.	41615	Seq. ID	OJ000222_17.0406.C11
Gene No.	86319	Strand	+
Start	1301	End	1785
Name	OJ000222_17.0406.C11.o1.gs	Method	GENSCAN
Start	1301	End	1785
GI	none	Score	.99
Exons	1301..1366, 1726..1785		

Seq. No.	41615	Seq. ID	OJ000222_17.0406.C11
Gene No.	86320	Strand	-
Start	2225	End	2346
Name	OJ000222_17.0406.C11.o2.gs	Method	GENSCAN
Start	2225	End	2346
GI	none	Score	.55
Exons	2225..2346		

Seq. No.	41615	Seq. ID	OJ000222_17.0406.C11
Gene No.	86321	Strand	-
Start	2667	End	4969
Name	OJ000222_17.0406.C11.o1.np	Method	AAT/NAP
Start	2667	End	4969
GI	6069646	Score	85
Exons	2667..2695, 3983..4185, 4891..4969		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86322	Strand	+
Start	6090	End	6522
Name	OJ000222_17.0406.C12.o2.gp	Method	AAT/GAP
Start	6090	End	6522
GI	94945_1.R1084	Score	558
Exons	6090..6522		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86323	Strand	+
Start	10916	End	11218
Name	OJ000222_17.0406.C12.o3.gp	Method	AAT/GAP
Start	10916	End	11218
GI	5004138	Score	590
Exons	10916..11218		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86324	Strand	-
Start	105	End	4747
Name	OJ000222_17.0406.C12.o1.gs	Method	GENSCAN

Start	105	End	4747
GI	none	Score	.42
Exons	105..252, 567..781, 2289..2591, 3142..3231, 4717..4747		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86325	Strand	-
Start	8049	End	22886
Name	OJ000222_17.0406.C12.o1.np	Method	AAT/NAP
Start	8049	End	22886
GI	6815062	Score	2257
Exons	8049..8145, 10670..10742, 11526..11631, 19336..19425, 19502..19807, 19866..20110, 20196..21054, 21146..21216, 21441..22886		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86325	Strand	-
Start	8049	End	22886
Name	OJ000222_17.0406.C12.o4.gs	Method	GENSCAN
Start	14120	End	22826
GI	none	Score	.66
Exons	14120..14995, 16109..16224, 17956..18034, 19502..19643, 19704..19796, 20028..20110, 20196..20356, 20859..21054, 21146..21236, 21386..21651, 21972..22826		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86325	Strand	-
Start	8049	End	22886
Name	OJ000222_17.0406.C12.o3.tm	Method	TBLASTX:Maize
Start	19502	End	20110
GI	none	Score	102
Exons	19502..19687, 19727..19813, 19901..20110, 19902..20060		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86325	Strand	-
Start	8049	End	22886
Name	OJ000222_17.0406.C12.o2.tm	Method	TBLASTX:Maize
Start	20350	End	20854
GI	none	Score	190
Exons	20350..20670, 20354..20659, 20434..20688, 20729..20854, 20737..20853		

Seq. No.	41616	Seq. ID	OJ000222_17.0406.C12
Gene No.	86325	Strand	-
Start	8049	End	22886
Name	OJ000222_17.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	22296	End	22863
GI	none	Score	235
Exons	22296..22685, 22318..22686, 22339..22686, 22713..22862, 22771..22863		

Seq. No.	41617	Seq. ID	OJ000222_17.0406.C13
Gene No.	86326	Strand	+
Start	1	End	2697
Name	OJ000222_17.0406.C13.o2.np	Method	AAT/NAP

Start	1	End	2697
GI	6063554	Score	920
Exons	1..29, 936..1227, 1328..1587, 2525..2697		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41617	Seq. ID	OJ000222_17.0406.C13
Gene No.	86327	Strand	+
Start	2783	End	3370
Name	OJ000222_17.0406.C13.o2.gp	Method	AAT/GAP
Start	2783	End	3370
GI	61605_3.R1084	Score	455
Exons	2783..2815, 3061..3370		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	41617	Seq. ID	OJ000222_17.0406.C13
Gene No.	86328	Strand	-
Start	1	End	2110
Name	OJ000222_17.0406.C13.o1.np	Method	AAT/NAP
Start	1	End	2110
GI	5690095	Score	139
Exons	1..342, 2069..2110		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	41617	Seq. ID	OJ000222_17.0406.C13
Gene No.	86328	Strand	-
Start	1	End	2110
Name	OJ000222_17.0406.C13.o1.gs	Method	GENSCAN
Start	24	End	1681
GI	none	Score	.93
Exons	24..422, 1159..1681		

Seq. No.	41617	Seq. ID	OJ000222_17.0406.C13
Gene No.	86329	Strand	-
Start	2450	End	5062
Name	OJ000222_17.0406.C13.o2.gs	Method	GENSCAN
Start	2450	End	5062
GI	none	Score	.48
Exons	2450..2552, 3252..3842, 4722..4842, 4891..5062		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86330	Strand	+
Start	235	End	7697
Name	OJ000222_17.0406.C14.o1.gs	Method	GENSCAN
Start	235	End	6863
GI	none	Score	.48
Exons	235..240, 717..820, 1230..1295, 3036..3096, 3291..3444, 3663..3788, 3974..4548, 5071..5256, 5357..5450, 5964..6130, 6421..6501, 6636..6863		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86330	Strand	+
Start	235	End	7697
Name	OJ000222_17.0406.C14.o2.np	Method	AAT/NAP
Start	2534	End	7697

GI	7486726	Score	716
Exons	2534..2558, 4481..4685, 4785..5256, 5357..6310, 7676..7697		
GI Descrip.	hypothetical protein F9D12.2 - Arabidopsis thaliana gi|3319345|gb|AAC26234.1| (AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86331	Strand	+
Start	12309	End	12878
Name	OJ000222_17.0406.C14.o4.gs	Method	GENSCAN
Start	12309	End	12848
GI	none	Score	.65
Exons	12309..12848		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86331	Strand	+
Start	12309	End	12878
Name	OJ000222_17.0406.C14.o4.np	Method	AAT/NAP
Start	12324	End	12878
GI	3928543	Score	218
Exons	12324..12878		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86332	Strand	-
Start	479	End	1531
Name	OJ000222_17.0406.C14.o1.np	Method	AAT/NAP
Start	479	End	1531
GI	6815053	Score	600
Exons	479..741, 787..893, 1342..1531		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86333	Strand	-
Start	7454	End	7997
Name	OJ000222_17.0406.C14.o2.gs	Method	GENSCAN
Start	7454	End	7988
GI	none	Score	.66
Exons	7454..7738, 7830..7988		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86333	Strand	-
Start	7454	End	7997
Name	OJ000222_17.0406.C14.o3.np	Method	AAT/NAP
Start	7673	End	7997
GI	4680203	Score	103
Exons	7673..7738, 7830..7997		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86334	Strand	-
Start	9132	End	11997
Name	OJ000222_17.0406.C14.o1.ts	Method	TBLASTX:Soybean
Start	5396	End	5782
GI	none	Score	255
Exons	5396..5782		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86334	Strand	-
Start	9132	End	11997
Name	OJ000222_17.0406.C14.o1.tm	Method	TBLASTX:Maize
Start	5399	End	6094
GI	none	Score	66
Exons	5399..5464, 5471..5800, 5867..5965, 5993..6094		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86334	Strand	-
Start	9132	End	11997
Name	OJ000222_17.0406.C14.o3.gs	Method	GENSCAN
Start	9132	End	11997
GI	none	Score	.56
Exons	9132..9286, 10428..10584, 10825..11095, 11993..11997		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86335	Strand	
Start	12351	End	12851
Name	OJ000222_17.0406.C14.o1.tc	Method	TBLASTX:Cress
Start	12351	End	12842
GI	none	Score	112
Exons	12351..12464, 12365..12457, 12503..12538, 12507..12641, 12663..12842, 12677..12793		

Seq. No.	41618	Seq. ID	OJ000222_17.0406.C14
Gene No.	86335	Strand	
Start	12351	End	12851
Name	OJ000222_17.0406.C14.o2.ts	Method	TBLASTX:Soybean
Start	12351	End	12851
GI	none	Score	116
Exons	12351..12464, 12365..12463, 12506..12538, 12507..12650, 12660..12851, 12677..12775		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86336	Strand	+
Start	1	End	724
Name	OJ000222_17.0406.C15.o1.np	Method	AAT/NAP
Start	1	End	682
GI	6587848	Score	283
Exons	1..682		
GI Descrip.	(AC006551) Putative UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86336	Strand	+
Start	1	End	724
Name	OJ000222_17.0406.C15.o1.gs	Method	GENSCAN
Start	44	End	724
GI	none	Score	.88
Exons	44..724		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86337	Strand	-
Start	1	End	1053
Name	OJ000222_17.0406.C15.o2.np	Method	AAT/NAP

Start	1	End	910
GI	7106512	Score	59
Exons	1..22, 726..776, 850..910		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86337	Strand	-
Start	1	End	1053
Name	OJ000222_17.0406.C15.o1.tc	Method	TBLASTX:Cress
Start	74	End	538
GI	none	Score	157
Exons	74..250, 109..231, 320..538, 334..537		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86337	Strand	-
Start	1	End	1053
Name	OJ000222_17.0406.C15.o1.ts	Method	TBLASTX:Soybean
Start	74	End	535
GI	none	Score	159
Exons	74..250, 97..240, 320..535, 340..528		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86337	Strand	-
Start	1	End	1053
Name	OJ000222_17.0406.C15.o1.tm	Method	TBLASTX:Maize
Start	83	End	655
GI	none	Score	156
Exons	83..244, 91..234, 319..537, 320..655		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86337	Strand	-
Start	1	End	1053
Name	OJ000222_17.0406.C15.o1.tw	Method	TBLASTX:Wheat
Start	83	End	474
GI	none	Score	107
Exons	83..235, 106..231, 266..310, 314..433, 319..474, 320..469		

Seq. No.	41619	Seq. ID	OJ000222_17.0406.C15
Gene No.	86337	Strand	-
Start	1	End	1053
Name	OJ000222_17.0406.C15.o1.gp	Method	AAT/GAP
Start	807	End	1053
GI	3761181	Score	397
Exons	807..1053		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41620	Seq. ID	OJ000222_17.0406.C16
Gene No.	86338	Strand	+
Start	2888	End	5865
Name	OJ000222_17.0406.C16.o1.np	Method	AAT/NAP
Start	2888	End	5865
GI	5042463	Score	97
Exons	2888..2914, 3063..3163, 4117..4467, 5193..5292, 5840..5865		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	41620	Seq. ID	OJ000222_17.0406.C16
Gene No.	86339	Strand	+
Start	6400	End	6703
Name	OJ000222_17.0406.C16.o1.gp	Method	AAT/GAP
Start	6400	End	6703
GI	61605_3.R1084	Score	434
Exons	6400..6703		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	41620	Seq. ID	OJ000222_17.0406.C16
Gene No.	86340	Strand	-
Start	7068	End	11915
Name	OJ000222_17.0406.C16.o2.np	Method	AAT/NAP
Start	7068	End	10992
GI	6063554	Score	624
Exons	7068..7267, 8222..8448, 8565..8839, 10937..10992		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41620	Seq. ID	OJ000222_17.0406.C16
Gene No.	86340	Strand	-
Start	7068	End	11915
Name	OJ000222_17.0406.C16.o2.gs	Method	GENSCAN
Start	7798	End	11915
GI	none	Score	.51
Exons	7798..7895, 8216..8364, 8402..8467, 8729..8801, 9622..9725, 10926..11121, 11801..11915		

Seq. No.	41621	Seq. ID	OJ000222_17.0406.C17
Gene No.	86341	Strand	+
Start	991	End	2979
Name	OJ000222_17.0406.C17.o1.gs	Method	GENSCAN
Start	991	End	2979
GI	none	Score	.46
Exons	991..1142, 2040..2430, 2568..2857, 2874..2979		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o1.np	Method	AAT/NAP
Start	1	End	694
GI	7248393	Score	346
Exons	1..284, 348..694		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o1.gs	Method	GENSCAN
Start	152	End	5867
GI	none	Score	.6
Exons	152..1056, 1160..1217, 1304..1794, 1888..3498, 3614..4307, 4392..4699, 4830..4863, 5100..5264, 5312..5679, 5728..5867		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18

Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o2.np	Method	AAT/NAP
Start	2972	End	5972
GI	7248394	Score	1836
Exons	2972..3894, 4162..5205, 5953..5972		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o3.ts	Method	TBLASTX:Soybean
Start	3116	End	3454
GI	none	Score	187
Exons	3116..3454		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o1.tw	Method	TBLASTX:Wheat
Start	4026	End	4429
GI	none	Score	81
Exons	4026..4082, 4031..4072, 4077..4409, 4085..4387, 4214..4429		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o2.tm	Method	TBLASTX:Maize
Start	4080	End	4298
GI	none	Score	278
Exons	4080..4298, 4085..4297		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o1.tm	Method	TBLASTX:Maize
Start	4299	End	4757
GI	none	Score	503
Exons	4299..4757, 4299..4688, 4448..4756		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o2.tw	Method	TBLASTX:Wheat
Start	4431	End	4829
GI	none	Score	201
Exons	4431..4751, 4448..4711, 4728..4829		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o1.ts	Method	TBLASTX:Soybean
Start	4446	End	4903

GI	none	Score	213
Exons	4446..4727, 4484..4708, 4728..4886, 4772..4903		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o3.np	Method	AAT/NAP
Start	4494	End	5972
GI	4680180	Score	597
Exons	4494..5972		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41622	Seq. ID	OJ000222_17.0406.C18
Gene No.	86342	Strand	+
Start	1	End	5972
Name	OJ000222_17.0406.C18.o2.ts	Method	TBLASTX:Soybean
Start	5067	End	5478
GI	none	Score	142
Exons	5067..5204, 5069..5200, 5225..5317, 5226..5330, 5333..5476, 5335..5478		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86343	Strand	+
Start	1	End	524
Name	OJ000222_17.0406.C19.o1.np	Method	AAT/NAP
Start	1	End	476
GI	4544372	Score	185
Exons	1..476		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86343	Strand	+
Start	1	End	524
Name	OJ000222_17.0406.C19.o2.np	Method	AAT/NAP
Start	1	End	524
GI	629693	Score	171
Exons	1..524		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86343	Strand	+
Start	1	End	524
Name	OJ000222_17.0406.C19.o1.gs	Method	GENSCAN
Start	21	End	365
GI	none	Score	.99
Exons	21..365		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86344	Strand	+
Start	8669	End	14824
Name	OJ000222_17.0406.C19.o4.np	Method	AAT/NAP
Start	8669	End	10410
GI	2708709	Score	27
Exons	8669..8822, 8912..9063, 10386..10410		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog		

[Schizosaccharomyces pombe]

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86344	Strand	+
Start	8669	End	14824
Name	OJ000222_17.0406.C19.o1.gp	Method	AAT/GAP
Start	8773	End	11478
GI	none	Score	1059
Exons	8773..9063, 10130..10283, 11369..11478		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86344	Strand	+
Start	8669	End	14824
Name	OJ000222_17.0406.C19.o5.np	Method	AAT/NAP
Start	8884	End	14547
GI	5902382	Score	328
Exons	8884..9063, 10130..10182, 11328..11580, 14171..14353, 14464..14547		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86344	Strand	+
Start	8669	End	14824
Name	OJ000222_17.0406.C19.o3.gs	Method	GENSCAN
Start	9863	End	11901
GI	none	Score	.59
Exons	9863..9865, 10130..10283, 11369..11583, 11755..11901		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86344	Strand	+
Start	8669	End	14824
Name	OJ000222_17.0406.C19.o5.gs	Method	GENSCAN
Start	14126	End	14550
GI	none	Score	.84
Exons	14126..14128, 14180..14353, 14464..14550		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86344	Strand	+
Start	8669	End	14824
Name	OJ000222_17.0406.C19.o2.gp	Method	AAT/GAP
Start	14185	End	14824
GI	12185_1.R1084	Score	962
Exons	14185..14353, 14464..14824		
GI Descrip.	'5902382/gb|AAD55484.1|AC009322_24 1.0e-17 (AC009322) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86345	Strand	+
Start	18385	End	19211
Name	OJ000222_17.0406.C19.o7.gs	Method	GENSCAN
Start	18385	End	19211
GI	none	Score	.71
Exons	18385..18567, 18886..18903, 19176..19211		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86346	Strand	-
Start	690	End	8885

Name	OJ000222_17.0406.C19.o3.np	Method	AAT/NAP
Start	690	End	7187
GI	4680199	Score	124
Exons	690..737, 5955..6261, 7144..7187		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86346	Strand	-
Start	690	End	8885
Name	OJ000222_17.0406.C19.o2.gs	Method	GENSCAN
Start	1017	End	8885
GI	none	Score	.61
Exons	1017..1292, 1438..1533, 1615..1728, 2011..2346, 2428..3317, 3401..3718, 3758..3870, 4022..4204, 4743..4835, 5581..5659, 6449..6496, 8321..8417, 8853..8885		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86347	Strand	-
Start	12445	End	13144
Name	OJ000222_17.0406.C19.o4.gs	Method	GENSCAN
Start	12445	End	13144
GI	none	Score	.72
Exons	12445..12749, 12751..12877, 13034..13144		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o1.tw	Method	TBLASTX:Wheat
Start	54	End	461
GI	none	Score	214
Exons	54..461, 254..427		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o2.ts	Method	TBLASTX:Soybean
Start	237	End	487
GI	none	Score	229
Exons	237..482, 239..376, 449..487		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o1.ts	Method	TBLASTX:Soybean
Start	10130	End	14550
GI	none	Score	75
Exons	10130..10222, 11342..11395, 11422..11565, 11448..11552, 14174..14356, 14179..14358, 14458..14550, 14463..14546		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o1.tm	Method	TBLASTX:Maize
Start	11437	End	14550
GI	none	Score	134
Exons	11437..11565, 11440..11538, 11448..11564, 14177..14356, 14194..14358, 14458..14550, 14466..14546		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o1.tc	Method	TBLASTX:Cress
Start	14195	End	14550
GI	none	Score	167
Exons	14195..14356, 14200..14358, 14458..14550, 14463..14546		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o6.gs	Method	GENSCAN
Start	14929	End	16463
GI	none	Score	.47
Exons	14929..15005, 15781..15972, 16316..16463		

Seq. No.	41623	Seq. ID	OJ000222_17.0406.C19
Gene No.	86348	Strand	-
Start	14929	End	16518
Name	OJ000222_17.0406.C19.o2.tm	Method	TBLASTX:Maize
Start	16093	End	16518
GI	none	Score	38
Exons	16093..16317, 16094..16126, 16173..16307, 16177..16341, 16330..16389, 16330..16518, 16331..16402		

Seq. No.	41624	Seq. ID	OJ000222_17.0406.C20
Gene No.	86349	Strand	+
Start	156	End	213
Name	OJ000222_17.0406.C20.o1.gs	Method	GENSCAN
Start	156	End	213
GI	none	Score	.63
Exons	156..213		

Seq. No.	41625	Seq. ID	OJ000222_17.0406.C21
Gene No.	86350	Strand	+
Start	27	End	1773
Name	OJ000222_17.0406.C21.o1.gs	Method	GENSCAN
Start	27	End	293
GI	none	Score	.47
Exons	27..293		

Seq. No.	41625	Seq. ID	OJ000222_17.0406.C21
Gene No.	86350	Strand	+
Start	27	End	1773
Name	OJ000222_17.0406.C21.o1.np	Method	AAT/NAP
Start	30	End	1773
GI	7329677	Score	143
Exons	30..270, 1745..1773		
GI Descrip.	(AL162295) putative protein [Arabidopsis thaliana]		

Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86351	Strand	+
Start	4449	End	4592
Name	OJ000222_17.0406.C22.o1.gp	Method	AAT/GAP
Start	4449	End	4592
GI	61605_1.R1084	Score	224

Exons	4449..4592		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86352	Strand	+
Start	5131	End	11229
Name	OJ000222_17.0406.C22.o1.np	Method	AAT/NAP
Start	5131	End	11229
GI	6983860	Score	967
Exons	5131..6180, 11184..11229		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86352	Strand	+
Start	5131	End	11229
Name	OJ000222_17.0406.C22.o4.gp	Method	AAT/GAP
Start	10825	End	11138
GI	61605_3.R1084	Score	453
Exons	10825..11138		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86353	Strand	+
Start	11596	End	11766
Name	OJ000222_17.0406.C22.o5.gp	Method	AAT/GAP
Start	11596	End	11766
GI	uC-osf1M202048c12b1	Score	254
Exons	11596..11766		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86354	Strand	-
Start	5225	End	5712
Name	OJ000222_17.0406.C22.o2.gp	Method	AAT/GAP
Start	5225	End	5712
GI	uC-osf1cyp162a07a1	Score	686
Exons	5225..5452, 5552..5712		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		
Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86355	Strand	-
Start	6554	End	10186
Name	OJ000222_17.0406.C22.o2.gs	Method	GENSCAN
Start	6554	End	10186
GI	none	Score	.54
Exons	6554..6567, 7022..7172, 7396..7580, 7655..7839, 9981..10186		
Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86355	Strand	-
Start	6554	End	10186
Name	OJ000222_17.0406.C22.o2.np	Method	AAT/NAP
Start	7022	End	8877

GI	5852179	Score	366
Exons	7022..7131, 7402..7580, 7655..7867, 8857..8877		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86356	Strand	-
Start	11506	End	11766
Name	OJ000222_17.0406.C22.o1.tw	Method	TBLASTX:Wheat
Start	5290	End	5649
GI	none	Score	289
Exons	5290..5649, 5301..5471, 5508..5648		

Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86356	Strand	-
Start	11506	End	11766
Name	OJ000222_17.0406.C22.o1.tm	Method	TBLASTX:Maize
Start	5533	End	5793
GI	none	Score	211
Exons	5533..5793, 5556..5717		

Seq. No.	41626	Seq. ID	OJ000222_17.0406.C22
Gene No.	86356	Strand	-
Start	11506	End	11766
Name	OJ000222_17.0406.C22.o3.np	Method	AAT/NAP
Start	11506	End	11766
GI	6063554	Score	145
Exons	11506..11766		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86357	Strand	+
Start	1	End	739
Name	OJ000222_17.0406.C23.o1.np	Method	AAT/NAP
Start	1	End	665
GI	5852180	Score	295
Exons	1..87, 226..665		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86357	Strand	+
Start	1	End	739
Name	OJ000222_17.0406.C23.o1.gs	Method	GENSCAN
Start	355	End	739
GI	none	Score	.97
Exons	355..410, 415..739		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86358	Strand	+
Start	4052	End	4359
Name	OJ000222_17.0406.C23.o2.gp	Method	AAT/GAP
Start	4052	End	4359
GI	3759000	Score	488
Exons	4052..4359		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23

Gene No.	86358	Strand	+
Start	4052	End	4359
Name	OJ000222_17.0406.C23.o3.gp	Method	AAT/GAP
Start	4052	End	4359
GI	3759000	Score	490
Exons	4052..4359		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86359	Strand	+
Start	5436	End	5510
Name	OJ000222_17.0406.C23.o5.gp	Method	AAT/GAP
Start	5436	End	5510
GI	21474_1.R1084	Score	103
Exons	5436..5510		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86360	Strand	-
Start	1643	End	6500
Name	OJ000222_17.0406.C23.o2.gs	Method	GENSCAN
Start	1643	End	6500
GI	none	Score	.42
Exons	1643..1704, 2232..2394, 3000..3146, 3455..3590, 6428..6500		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86360	Strand	-
Start	1643	End	6500
Name	OJ000222_17.0406.C23.o2.np	Method	AAT/NAP
Start	1727	End	3634
GI	5295955	Score	117
Exons	1727..1837, 3470..3634		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86360	Strand	-
Start	1643	End	6500
Name	OJ000222_17.0406.C23.o3.np	Method	AAT/NAP
Start	5768	End	6024
GI	862343	Score	151
Exons	5768..6024		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	41627	Seq. ID	OJ000222_17.0406.C23
Gene No.	86360	Strand	-
Start	1643	End	6500
Name	OJ000222_17.0406.C23.o6.gp	Method	AAT/GAP
Start	5803	End	5899
GI	LIB3477-003-P1-K1-E9	Score	151
Exons	5803..5899		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41628	Seq. ID	OJ000222_17.0406.C25
Gene No.	86361	Strand	-
Start	15	End	185
Name	OJ000222_17.0406.C25.o1.gs	Method	GENSCAN
Start	15	End	185
GI	none	Score	.94
Exons	15..185		

Seq. No.	41629	Seq. ID	OJ000222_13.0404.C1
Gene No.	86362	Strand	+
Start	5695	End	8999
Name	OJ000222_13.0404.C1.o2.gs	Method	GENSCAN
Start	5695	End	8093
GI	none	Score	.76
Exons	5695..5847, 6072..6185, 6238..6335, 6368..6568, 7182..7239, 8004..8093		

Seq. No.	41629	Seq. ID	OJ000222_13.0404.C1
Gene No.	86362	Strand	+
Start	5695	End	8999
Name	OJ000222_13.0404.C1.o2.np	Method	AAT/NAP
Start	6078	End	8999
GI	7444451	Score	538
Exons	6078..6611, 8911..8999		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	41629	Seq. ID	OJ000222_13.0404.C1
Gene No.	86363	Strand	-
Start	36	End	3417
Name	OJ000222_13.0404.C1.o1.gs	Method	GENSCAN
Start	36	End	3417
GI	none	Score	.43
Exons	36..1914, 1945..2255, 2396..2487, 2493..2638, 3330..3417		

Seq. No.	41629	Seq. ID	OJ000222_13.0404.C1
Gene No.	86363	Strand	-
Start	36	End	3417
Name	OJ000222_13.0404.C1.o1.np	Method	AAT/NAP
Start	149	End	3417
GI	6539588	Score	205
Exons	149..199, 2396..2673, 3394..3417		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	41629	Seq. ID	OJ000222_13.0404.C1
Gene No.	86364	Strand	
Start	6156	End	6589
Name	OJ000222_13.0404.C1.o1.tm	Method	TBLASTX:Maize
Start	6156	End	6589
GI	none	Score	88
Exons	6156..6296, 6167..6319, 6284..6589, 6285..6563		

Seq. No.	41630	Seq. ID	OJ000222_13.0404.C2
Gene No.	86365	Strand	+
Start	153	End	506

Name	OJ000222_13.0404.C2.o1.gs	Method	GENSCAN
Start	153	End	506
GI	none	Score	1
Exons	153..506		

Seq. No.	41630	Seq. ID	OJ000222_13.0404.C2
Gene No.	86366	Strand	-
Start	1217	End	2386
Name	OJ000222_13.0404.C2.o2.gs	Method	GENSCAN
Start	1217	End	2386
GI	none	Score	.48
Exons	1217..1344, 2350..2386		

Seq. No.	41631	Seq. ID	OJ000222_13.0404.C4
Gene No.	86367	Strand	+
Start	2031	End	2529
Name	OJ000222_13.0404.C4.o1.np	Method	AAT/NAP
Start	2031	End	2529
GI	5922634	Score	77
Exons	2031..2170, 2441..2529		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41631	Seq. ID	OJ000222_13.0404.C4
Gene No.	86368	Strand	-
Start	1894	End	2336
Name	OJ000222_13.0404.C4.o1.gs	Method	GENSCAN
Start	1894	End	2336
GI	none	Score	.94
Exons	1894..2336		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86369	Strand	+
Start	8833	End	11539
Name	OJ000222_13.0404.C5.o3.gs	Method	GENSCAN
Start	8833	End	11539
GI	none	Score	.5
Exons	8833..8911, 9465..9959, 11076..11539		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86370	Strand	+
Start	17492	End	19960
Name	OJ000222_13.0404.C5.o1.np	Method	AAT/NAP
Start	17457	End	19850
GI	6723387	Score	1655
Exons	17457..19850		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86370	Strand	+
Start	17492	End	19960
Name	OJ000222_13.0404.C5.o4.gs	Method	GENSCAN
Start	17492	End	19960
GI	none	Score	1
Exons	17492..19960		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86371	Strand	+
Start	31078	End	33134
Name	OJ000222_13.0404.C5.o6.gs	Method	GENSCAN
Start	31078	End	33134
GI	none	Score	.77
Exons	31078..31143, 31299..31431, 31433..31639, 32190..32259, 32815..32881, 32943..33134		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86372	Strand	+
Start	33574	End	38471
Name	OJ000222_13.0404.C5.o7.gs	Method	GENSCAN
Start	33574	End	38471
GI	none	Score	.67
Exons	33574..33657, 34929..34986, 35426..35642, 36112..36278, 38377..38471		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86373	Strand	-
Start	34	End	2040
Name	OJ000222_13.0404.C5.o1.gs	Method	GENSCAN
Start	34	End	2040
GI	none	Score	.71
Exons	34..251, 318..380, 677..783, 1462..1516, 1942..2040		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86374	Strand	-
Start	3318	End	7511
Name	OJ000222_13.0404.C5.o2.gs	Method	GENSCAN
Start	3318	End	7511
GI	none	Score	.86
Exons	3318..3593, 5099..5185, 5573..5729, 6518..6844, 6850..6952, 7149..7353, 7473..7511		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86375	Strand	-
Start	20827	End	28523
Name	OJ000222_13.0404.C5.o2.np	Method	AAT/NAP
Start	20827	End	22083
GI	7487583	Score	450
Exons	20827..20949, 21039..21550, 21624..22083		
GI Descrip.	hypothetical protein T32A16.10 - Arabidopsis thaliana gi|4972088|emb|CAB43884.1| (AL078468) putative protein [Arabidopsis thaliana] gi|7269233|emb|CAB81302.1| (AL161560) putative protein [Arabidopsis thaliana]		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86375	Strand	-
Start	20827	End	28523
Name	OJ000222_13.0404.C5.o5.gs	Method	GENSCAN
Start	20827	End	28039
GI	none	Score	.5
Exons	20827..20939, 21035..21544, 22128..22239, 22428..22611, 22650..22895, 23019..23416, 24957..24967, 25664..26336, 26560..26835, 26879..27012, 27084..27259, 27303..27673, 27815..28039		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86375	Strand	-
Start	20827	End	28523
Name	OJ000222_13.0404.C5.o1.gp	Method	AAT/GAP
Start	21494	End	21959
GI	701150	Score	741
Exons	21494..21544, 21627..21959		
GI Descrip.	4972088/emb|CAB43884.1| 7.0e-18 (AL078468) putative protein [Arabidopsis thaliana]		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86375	Strand	-
Start	20827	End	28523
Name	OJ000222_13.0404.C5.o3.np	Method	AAT/NAP
Start	25661	End	28523
GI	4972236	Score	1902
Exons	25661..26365, 26560..27012, 27084..27173, 27260..27673, 27815..27956, 28461..28523		
GI Descrip.	(AJ006349) endo-beta-1,4-glucanase [Fragaria x ananassa]		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86376	Strand	-
Start	35187	End	35610
Name	OJ000222_13.0404.C5.o2.gp	Method	AAT/GAP
Start	35187	End	35610
GI	286366	Score	757
Exons	35187..35610		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o7.tm	Method	TBLASTX:Maize
Start	17743	End	17974
GI	none	Score	99
Exons	17743..17820, 17744..17821, 17799..17822, 17823..17879, 17825..17974, 17825..17959		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o7.tc	Method	TBLASTX:Cress
Start	17747	End	19000
GI	none	Score	72
Exons	17747..17827, 17753..17827, 17828..17971, 18044..18394, 18050..18235, 18050..18217, 18230..18316, 18248..18394, 18626..18811, 18824..19000, 18845..18988		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o5.ts	Method	TBLASTX:Soybean
Start	17834	End	19177
GI	none	Score	85
Exons	17834..17974, 18060..18107, 18086..18397, 18119..18391, 18410..18520, 18506..18772, 18528..18638, 18556..18783, 18845..19075, 18992..19177		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o1.tw	Method	TBLASTX:Wheat
Start	18053	End	19266
GI	none	Score	105
Exons	18053..18286, 18203..18394, 18422..18502, 18515..18763, 18845..19261, 18982..19266, 19091..19204		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	18065	End	19705
GI	none	Score	120
Exons	18065..18355, 18137..18400, 18230..18391, 18242..18397, 18265..18390, 18421..18519, 18422..18502, 18461..18496, 18527..18751, 18548..18772, 18554..18772, 18839..19228, 18845..19705, 18863..19129, 18871..19002, 19028..19207, 19039..19080, 19103..19324, 19114..19431, 19130..19207		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o4.tc	Method	TBLASTX:Cress
Start	18416	End	19378
GI	none	Score	82
Exons	18416..18502, 18530..18604, 19001..19378, 19033..19356		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o2.ts	Method	TBLASTX:Soybean
Start	19199	End	19738
GI	none	Score	485
Exons	19199..19738, 19234..19464, 19328..19717		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o2.tc	Method	TBLASTX:Cress
Start	19402	End	19969
GI	none	Score	477
Exons	19402..19689, 19427..19963, 19436..19717, 19753..19878, 19814..19969		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o6.tm	Method	TBLASTX:Maize
Start	19706	End	19963
GI	none	Score	295
Exons	19706..19963, 19707..19778, 19735..19869, 19769..19960		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-

Start	39311	End	53583
Name	OJ000222_13.0404.C5.o4.ts	Method	TBLASTX:Soybean
Start	19741	End	19960
GI	none	Score	267
Exons	19741..19872, 19742..19960, 19742..19960		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o3.tm	Method	TBLASTX:Maize
Start	20826	End	21393
GI	none	Score	108
Exons	20826..20939, 20836..20940, 20839..20940, 21036..21143, 21037..21099, 21108..21392, 21126..21392, 21133..21393		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o9.tm	Method	TBLASTX:Maize
Start	22012	End	22518
GI	none	Score	187
Exons	22012..22242, 22012..22239, 22016..22240, 22407..22517, 22408..22518		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o5.tc	Method	TBLASTX:Cress
Start	22428	End	22918
GI	none	Score	133
Exons	22428..22646, 22450..22662, 22739..22918, 22740..22916		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o1.ts	Method	TBLASTX:Soybean
Start	25697	End	27451
GI	none	Score	154
Exons	25697..25852, 26027..26368, 26154..26372, 26626..27012, 26630..26803, 26846..26959, 27091..27174, 27114..27176, 27257..27451, 27288..27446		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o3.tc	Method	TBLASTX:Cress
Start	25709	End	26290
GI	none	Score	69
Exons	25709..25852, 26027..26290, 26162..26290		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o2.tm	Method	TBLASTX:Maize
Start	26102	End	26360
GI	none	Score	248
Exons	26102..26359, 26154..26360		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o2.tw	Method	TBLASTX:Wheat
Start	26102	End	26368
GI	none	Score	102
Exons	26102..26224, 26241..26333, 26268..26366, 26270..26368, 26270..26368		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o1.tc	Method	TBLASTX:Cress
Start	26291	End	27673
GI	none	Score	70
Exons	26291..26368, 26298..26372, 26632..26919, 26648..26800, 26846..26920, 27055..27177, 27114..27176, 27257..27661, 27285..27446, 27404..27673		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o5.tm	Method	TBLASTX:Maize
Start	26762	End	27012
GI	none	Score	222
Exons	26762..26959, 26764..27012, 26776..26964		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o4.tm	Method	TBLASTX:Maize
Start	27308	End	27940
GI	none	Score	142
Exons	27308..27661, 27404..27676, 27812..27940, 27825..27929		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o3.ts	Method	TBLASTX:Soybean
Start	27458	End	27679
GI	none	Score	167
Exons	27458..27661, 27461..27679		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o8.gs	Method	GENSCAN
Start	39311	End	53583
GI	none	Score	.69
Exons	39311..39519, 41203..41256, 41402..41485, 41960..42243, 42862..43027, 45183..45365, 45859..45964, 46079..46266, 47596..47748, 48976..49048, 49113..49196, 49280..49835, 50396..50474, 50559..50695, 50837..50939, 51102..51243, 51399..51549, 53438..53583		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5

Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o5.gp	Method	AAT/GAP
Start	41004	End	42034
GI	81856_1.R1084	Score	822
Exons	41004..41294, 41402..41485, 41960..42034		
GI Descrip.	'4559384/gb|AAD23044.1|AC006526_9 3.0e-09 (AC006526) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o8.tm	Method	TBLASTX:Maize
Start	41245	End	45911
GI	none	Score	58
Exons	41245..41295, 41409..41492, 41961..42014, 41962..42015, 42021..42173, 42041..42133, 42135..42215, 42136..42204, 42863..43030, 42864..43028, 42864..43067, 42865..43035, 45179..45394, 45184..45366, 45195..45416, 45860..45904, 45861..45911		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o4.np	Method	AAT/NAP
Start	41394	End	45928
GI	4559384	Score	621
Exons	41394..41485, 41960..42243, 42850..43030, 45183..45365, 45859..45928		
GI Descrip.	(AC006526) unknown protein [Arabidopsis thaliana]		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o6.ts	Method	TBLASTX:Soybean
Start	41949	End	46237
GI	none	Score	134
Exons	41949..42038, 42138..42194, 42850..43035, 42864..43067, 45178..45255, 45178..45204, 45179..45385, 45203..45364, 45244..45366, 45860..45964, 45861..45965, 46064..46108, 46077..46163, 46154..46237		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o6.tc	Method	TBLASTX:Cress
Start	42024	End	46160
GI	none	Score	138
Exons	42024..42152, 42850..43041, 42864..43052, 45187..45366, 45188..45394, 45860..45964, 45864..45965, 46064..46108, 46077..46160		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o10.tm	Method	TBLASTX:Maize
Start	49589	End	50634

GI	none	Score	37
Exons	49589..49705, 49626..49703, 49718..49843, 49719..49838, 49954..50019, 49958..50056, 50404..50475, 50569..50634		

Seq. No.	41632	Seq. ID	OJ000222_13.0404.C5
Gene No.	86377	Strand	-
Start	39311	End	53583
Name	OJ000222_13.0404.C5.o11.tm	Method	TBLASTX:Maize
Start	51145	End	51542
GI	none	Score	116
Exons	51145..51249, 51254..51301, 51396..51542		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86378	Strand	+
Start	90	End	2425
Name	OJ000222_13.0404.C7.o1.gs	Method	GENSCAN
Start	90	End	1448
GI	none	Score	.81
Exons	90..177, 864..1009, 1015..1106, 1179..1350, 1383..1448		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86378	Strand	+
Start	90	End	2425
Name	OJ000222_13.0404.C7.o1.np	Method	AAT/NAP
Start	505	End	2425
GI	7523502	Score	183
Exons	505..598, 908..1067, 2380..2425		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86379	Strand	+
Start	7516	End	10645
Name	OJ000222_13.0404.C7.o1.gp	Method	AAT/GAP
Start	7516	End	8914
GI	uC-osf1M202083e11b1	Score	547
Exons	7516..7572, 8623..8914		
GI Descrip.	'4972088/emb|CAB43884.1| 7.0e-18 (AL078468) putative protein [Arabidopsis thaliana]'		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86379	Strand	+
Start	7516	End	10645
Name	OJ000222_13.0404.C7.o3.np	Method	AAT/NAP
Start	8765	End	10645
GI	6166036	Score	1277
Exons	8765..9127, 9623..10645		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1707857|emb|CAA70475| (Y09291) obtusifoliol 14-alpha-demethylase [Triticum aestivum]		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86380	Strand	-
Start	2392	End	7344
Name	OJ000222_13.0404.C7.o2.gs	Method	GENSCAN
Start	2392	End	7344
GI	none	Score	.42
Exons	2392..2445, 2913..2978, 4231..4474, 4551..4663, 5498..5761,		

6915..6957, 7241..7344

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86380	Strand	-
Start	2392	End	7344
Name	OJ000222_13.0404.C7.o2.np	Method	AAT/NAP
Start	4134	End	5788
GI	6539588	Score	176
Exons	4134..4170, 5486..5788		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639
Name	OJ000222_13.0404.C7.o2.ts	Method	TBLASTX:Soybean
Start	8818	End	9894
GI	none	Score	307
Exons	8818..9129, 8828..9127, 8869..9129, 9620..9883, 9625..9894		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639
Name	OJ000222_13.0404.C7.o2.tm	Method	TBLASTX:Maize
Start	8827	End	9043
GI	none	Score	241
Exons	8827..9033, 8828..9043		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639
Name	OJ000222_13.0404.C7.o1.tc	Method	TBLASTX:Cress
Start	8828	End	9883
GI	none	Score	325
Exons	8828..9127, 8866..9129, 9620..9883, 9620..9883		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639
Name	OJ000222_13.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	9620	End	10633
GI	none	Score	244
Exons	9620..9880, 9626..9883, 9628..9894, 9937..10077, 9938..10150, 10109..10294, 10174..10275, 10232..10393, 10297..10359, 10436..10633, 10462..10632		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639
Name	OJ000222_13.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	9937	End	10636
GI	none	Score	167
Exons	9937..10053, 9938..10054, 10058..10150, 10109..10294, 10295..10393, 10436..10636, 10462..10611		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639

Name	OJ000222_13.0404.C7.o2.tc	Method	TBLASTX:Cress
Start	9946	End	10294
GI	none	Score	294
Exons	9946..10083, 9947..10294, 10193..10243		

Seq. No.	41633	Seq. ID	OJ000222_13.0404.C7
Gene No.	86381	Strand	
Start	8818	End	10639
Name	OJ000222_13.0404.C7.o3.tc	Method	TBLASTX:Cress
Start	10436	End	10639
GI	none	Score	261
Exons	10436..10639, 10462..10632		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86382	Strand	+
Start	1	End	2409
Name	OJ000222_13.0404.C10.o1.np	Method	AAT/NAP
Start	1	End	1031
GI	130582	Score	509
Exons	1..1031		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86382	Strand	+
Start	1	End	2409
Name	OJ000222_13.0404.C10.o1.gs	Method	GENSCAN
Start	348	End	2409
GI	none	Score	.8
Exons	348..427, 545..659, 1881..2008, 2366..2409		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86383	Strand	+
Start	8684	End	16427
Name	OJ000222_13.0404.C10.o3.gs	Method	GENSCAN
Start	8684	End	15293
GI	none	Score	.64
Exons	8684..8879, 9899..10857, 11756..12043, 13525..13554, 13614..13799, 14550..14755, 15125..15293		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86383	Strand	+
Start	8684	End	16427
Name	OJ000222_13.0404.C10.o2.np	Method	AAT/NAP
Start	8699	End	10890
GI	5921766	Score	937
Exons	8699..8879, 9899..10890		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86383	Strand	+
Start	8684	End	16427
Name	OJ000222_13.0404.C10.o3.np	Method	AAT/NAP
Start	10292	End	16427

GI	4680203	Score	457
Exons	10292..10352, 12299..12486, 12744..12788, 13828..14063, 14341..15155, 16324..16427		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86383	Strand	+
Start	8684	End	16427
Name	OJ000222_13.0404.C10.o2.gp	Method	AAT/GAP
Start	10726	End	11010
GI	3106823	Score	558
Exons	10726..11010		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86384	Strand	+
Start	18817	End	21802
Name	OJ000222_13.0404.C10.o5.gs	Method	GENSCAN
Start	18817	End	21802
GI	none	Score	.68
Exons	18817..19012, 19358..19472, 19551..19840, 19973..20215, 21085..21271, 21610..21802		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86385	Strand	+
Start	24297	End	28045
Name	OJ000222_13.0404.C10.o6.gs	Method	GENSCAN
Start	24297	End	28045
GI	none	Score	.49
Exons	24297..24492, 25521..25743, 25822..26479, 27427..27525, 27740..27844, 27947..28045		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86385	Strand	+
Start	24297	End	28045
Name	OJ000222_13.0404.C10.o4.np	Method	AAT/NAP
Start	24312	End	26512
GI	5921766	Score	946
Exons	24312..24492, 25521..26512		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86386	Strand	-
Start	2096	End	2708
Name	OJ000222_13.0404.C10.o1.gp	Method	AAT/GAP
Start	2096	End	2708
GI	uC-osflcyp039h04b1	Score	303
Exons	2096..2158, 2537..2708		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86387	Strand	-
Start	4893	End	5957
Name	OJ000222_13.0404.C10.o2.gs	Method	GENSCAN
Start	4893	End	5957
GI	none	Score	.4

Exons	4893..5061, 5560..5676, 5872..5957		
Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o3.tm	Method	TBLASTX:Maize
Start	308	End	612
GI	none	Score	294
Exons	308..550, 310..555, 312..551, 553..612		
Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o2.tw	Method	TBLASTX:Wheat
Start	636	End	992
GI	none	Score	110
Exons	636..785, 638..781, 804..992, 812..970		
Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o4.tm	Method	TBLASTX:Maize
Start	636	End	1022
GI	none	Score	110
Exons	636..779, 653..1021, 703..954, 804..1022, 834..1022		
Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o2.ts	Method	TBLASTX:Soybean
Start	639	End	1022
GI	none	Score	210
Exons	639..899, 645..767, 650..898, 903..1022		
Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o1.tm	Method	TBLASTX:Maize
Start	8732	End	26491
GI	none	Score	181
Exons	8732..8881, 8737..8880, 9871..10338, 9903..10328, 10336..10599, 10338..10610, 10597..10788, 10599..10727, 10765..10869, 18865..19014, 18870..19013, 19264..19680, 19311..19679, 19687..19950, 19731..19961, 19950..20078, 19954..20139, 20158..20220, 24345..24494, 24350..24493, 25493..25960, 25582..25815, 25821..25889, 25958..26221, 25960..26232, 26219..26410, 26221..26460, 26429..26491		
Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o1.tc	Method	TBLASTX:Cress
Start	8732	End	26491
GI	none	Score	166
Exons	8732..8881, 8737..8880, 9871..10338, 9903..10331, 10408..10599, 10596..10727, 10597..10788, 10599..10727, 10804..10869, 10809..10868, 18829..19014, 18870..19013, 19264..19680,		

19270..19647, 19335..19685, 19687..19746, 19687..19731,
19759..19950, 19950..20078, 19954..20139, 20157..20219,
20158..20220, 24309..24494, 24350..24493, 25493..25960,
25606..25836, 25960..26019, 26023..26214, 26027..26221,
26219..26410, 26221..26349, 26428..26490, 26429..26491

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o1.ts	Method	TBLASTX:Soybean
Start	8732	End	26491
GI	none	Score	156

Exons 8732..8884, 8743..8886, 9871..10338, 9906..10214, 10336..10599,
10338..10610, 10597..10788, 10599..10727, 10765..10869,
10809..10859, 18865..19020, 19264..19680, 19264..19464,
19311..19565, 19555..19647, 19687..19950, 19734..19961,
19950..20078, 19954..20139, 20157..20210, 20158..20220,
24345..24500, 25493..25960, 25582..25953, 25958..26221,
25960..26232, 26219..26410, 26221..26382, 26428..26481,
26429..26491

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o2.tm	Method	TBLASTX:Maize
Start	13929	End	14312
GI	none	Score	55

Exons 13929..13997, 13973..14311, 14001..14312, 14073..14312

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o1.tw	Method	TBLASTX:Wheat
Start	13953	End	14968
GI	none	Score	44

Exons 13953..14021, 14067..14354, 14320..14478, 14328..14477,
14493..14669, 14768..14875, 14864..14968

Seq. No.	41634	Seq. ID	OJ000222_13.0404.C10
Gene No.	86388	Strand	-
Start	15524	End	26491
Name	OJ000222_13.0404.C10.o4.gs	Method	GENSCAN
Start	15524	End	17864
GI	none	Score	.5

Exons 15524..15871, 17781..17864

Seq. No.	41635	Seq. ID	OJ000222_12.0404.C2
Gene No.	86389	Strand	+
Start	1	End	159
Name	OJ000222_12.0404.C2.o1.np	Method	AAT/NAP
Start	1	End	159
GI	5777617	Score	74

Exons 1..159

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	41635	Seq. ID	OJ000222_12.0404.C2
Gene No.	86390	Strand	+

Start	329	End	531
Name	OJ000222_12.0404.C2.o1.gs	Method	GENSCAN
Start	329	End	531
GI	none	Score	.9
Exons	329..531		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86391	Strand	+
Start	975	End	3313
Name	OJ000222_12.0404.C3.o1.gs	Method	GENSCAN
Start	975	End	3062
GI	none	Score	.77
Exons	975..1510, 2723..3062		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86391	Strand	+
Start	975	End	3313
Name	OJ000222_12.0404.C3.o2.np	Method	AAT/NAP
Start	1203	End	2990
GI	4960154	Score	434
Exons	1203..1510, 2723..2990		
GI Descrip.	(AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86391	Strand	+
Start	975	End	3313
Name	OJ000222_12.0404.C3.o1.gp	Method	AAT/GAP
Start	1400	End	3313
GI	1480_1.R1084	Score	1239
Exons	1400..1510, 2723..3313		
GI Descrip.	'4960154/gb|AAD34615.1|AF153283_1 1.0e-31 (AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]'		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86392	Strand	+
Start	7569	End	10595
Name	OJ000222_12.0404.C3.o2.gp	Method	AAT/GAP
Start	7337	End	10595
GI	51_1.R1084	Score	4108
Exons	7337..7803, 8762..9003, 9139..10595		
GI Descrip.	'3913811/sp|O48674|HEM1_ORYSA 0.0e+00 GLUTAMYL-TRNA REDUCTASE PRECURSOR (GLUTR) >gi_2920320_dbj_BAA25003_ (AB011416) glutamyl-tRNA reductase [Oryza sativa]'		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86392	Strand	+
Start	7569	End	10595
Name	OJ000222_12.0404.C3.o3.np	Method	AAT/NAP
Start	7566	End	10269
GI	3913811	Score	2539
Exons	7566..7803, 8762..9003, 9139..10269		
GI Descrip.	GLUTAMYL-TRNA REDUCTASE PRECURSOR (GLUTR) gi|2920320|dbj|BAA25003.1| (AB011416) glutamyl-tRNA reductase [Oryza sativa]		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3

Gene No.	86392	Strand	+
Start	7569	End	10595
Name	OJ000222_12.0404.C3.o2.gs	Method	GENSCAN
Start	7569	End	10272
GI	none	Score	.9
Exons	7569..7803, 8762..9003, 9139..10272		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86393	Strand	+
Start	13081	End	16720
Name	OJ000222_12.0404.C3.o3.gp	Method	AAT/GAP
Start	12997	End	13254
GI	none	Score	436
Exons	12997..13254		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86393	Strand	+
Start	13081	End	16720
Name	OJ000222_12.0404.C3.o3.gs	Method	GENSCAN
Start	13081	End	16720
GI	none	Score	.78
Exons	13081..13232, 13781..13907, 14836..15063, 15691..15877, 16422..16543, 16589..16720		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86394	Strand	+
Start	19042	End	19180
Name	OJ000222_12.0404.C3.o6.gp	Method	AAT/GAP
Start	19042	End	19180
GI	4165_1.R1084	Score	223
Exons	19042..19180		
GI Descrip.	'1001404/dbj|BAA10026| 8.0e-10 (D63999) hypothetical protein [Synechocystis sp.]'		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86395	Strand	-
Start	255	End	336
Name	OJ000222_12.0404.C3.o1.np	Method	AAT/NAP
Start	255	End	336
GI	7485509	Score	97
Exons	255..336		
GI Descrip.	hypothetical protein F15B8.40 - Arabidopsis thaliana gi|4678270|emb|CAB41178.1| (AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86396	Strand	-
Start	15543	End	15854
Name	OJ000222_12.0404.C3.o4.gp	Method	AAT/GAP
Start	15543	End	15854
GI	707_1.R1084	Score	548
Exons	15543..15854		
GI Descrip.	'2314803/gb|U85037|OSU85037 1.0e-145 Oryza sativa signal recognition particle RNA sequence'		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-

Start	17039	End	19305
Name	OJ000222_12.0404.C3.o2.tc	Method	TBLASTX:Cress
Start	1397	End	2981
GI	none	Score	138
Exons	1397..1510, 1398..1499, 2666..2707, 2710..2919, 2710..2820, 2712..2981, 2745..2825, 2789..2929, 2866..2931		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o2.ts	Method	TBLASTX:Soybean
Start	1397	End	2918
GI	none	Score	147
Exons	1397..1510, 1398..1499, 1467..1517, 2712..2918, 2789..2908		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o3.tm	Method	TBLASTX:Maize
Start	1397	End	2987
GI	none	Score	145
Exons	1397..1510, 1398..1499, 2716..2904, 2718..2906, 2719..2871, 2721..2987, 2789..2917		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o2.tw	Method	TBLASTX:Wheat
Start	2727	End	2984
GI	none	Score	295
Exons	2727..2984, 2792..2923		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o6.tm	Method	TBLASTX:Maize
Start	8740	End	8874
GI	none	Score	190
Exons	8740..8874, 8761..8874		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o1.tc	Method	TBLASTX:Cress
Start	8763	End	10217
GI	none	Score	127
Exons	8763..9002, 8763..9008, 8764..9003, 8771..9004, 9136..10023, 9138..9734, 9142..10065, 9336..10076, 9996..10217, 10042..10212		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o3.ts	Method	TBLASTX:Soybean
Start	8763	End	8910
GI	none	Score	110
Exons	8763..8906, 8763..8909, 8764..8910		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o2.tm	Method	TBLASTX:Maize
Start	8878	End	9519
GI	none	Score	148
Exons	8878..9003, 8922..9008, 9136..9519, 9136..9519		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o1.ts	Method	TBLASTX:Soybean
Start	8911	End	10274
GI	none	Score	109
Exons	8911..9015, 8913..9014, 9141..9356, 9142..10065, 9142..9441, 9336..10043, 10042..10215, 10054..10212, 10056..10268, 10143..10274		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	9520	End	10289
GI	none	Score	1055
Exons	9520..10212, 9520..10212, 9669..10289		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o1.tw	Method	TBLASTX:Wheat
Start	9730	End	10137
GI	none	Score	627
Exons	9730..10137, 9732..10136		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o4.tm	Method	TBLASTX:Maize
Start	15545	End	15859
GI	none	Score	43
Exons	15545..15586, 15549..15587, 15589..15750, 15605..15760, 15608..15751, 15790..15858, 15803..15859		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o4.gs	Method	GENSCAN
Start	17039	End	19305
GI	none	Score	.56
Exons	17039..17437, 18318..18401, 18922..19305		

Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o5.tm	Method	TBLASTX:Maize
Start	17040	End	17278
GI	none	Score	164

Exons	17040..17273, 17072..17278, 17207..17275		
Seq. No.	41636	Seq. ID	OJ000222_12.0404.C3
Gene No.	86397	Strand	-
Start	17039	End	19305
Name	OJ000222_12.0404.C3.o4.np	Method	AAT/NAP
Start	17083	End	17332
GI	7486141	Score	116
Exons	17083..17332		
GI Descrip.	hypothetical protein F25I24.20 - Arabidopsis thaliana gi|4539355|emb|CAB40049.1| (AL049525) putative protein [Arabidopsis thaliana] gi|7267779|emb|CAB81182.1| (AL161518) putative protein [Arabidopsis thaliana]		
Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86398	Strand	+
Start	1	End	1256
Name	OJ000222_12.0404.C4.o1.np	Method	AAT/NAP
Start	1	End	1056
GI	6226234	Score	616
Exons	1..28, 424..721, 836..1056		
GI Descrip.	THYLAKOID LUMENAL 17.4 KD PROTEIN, CHLOROPLAST PRECURSOR (P17.4)		
Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86398	Strand	+
Start	1	End	1256
Name	OJ000222_12.0404.C4.o1.gp	Method	AAT/GAP
Start	474	End	1256
GI	4165_1.R1084	Score	1243
Exons	474..721, 836..1256		
GI Descrip.	'1001404/dbj|BAA10026| 8.0e-10 (D63999) hypothetical protein [Synechocystis sp.]'		
Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86398	Strand	+
Start	1	End	1256
Name	OJ000222_12.0404.C4.o1.gs	Method	GENSCAN
Start	497	End	1059
GI	none	Score	.82
Exons	497..721, 836..1059		
Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86399	Strand	-
Start	1435	End	1647
Name	OJ000222_12.0404.C4.o1.ts	Method	TBLASTX:Soybean
Start	421	End	1068
GI	none	Score	422
Exons	421..723, 449..604, 453..689, 653..721, 829..1068, 834..1058		
Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86399	Strand	-
Start	1435	End	1647
Name	OJ000222_12.0404.C4.o1.tc	Method	TBLASTX:Cress
Start	441	End	720
GI	none	Score	162
Exons	441..689, 444..716, 454..720, 454..720		

Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86399	Strand	-
Start	1435	End	1647
Name	OJ000222_12.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	447	End	659
GI	none	Score	316
Exons	447..659, 448..657		

Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86399	Strand	-
Start	1435	End	1647
Name	OJ000222_12.0404.C4.o2.tc	Method	TBLASTX:Cress
Start	829	End	1059
GI	none	Score	289
Exons	829..1059, 834..1049		

Seq. No.	41637	Seq. ID	OJ000222_12.0404.C4
Gene No.	86399	Strand	-
Start	1435	End	1647
Name	OJ000222_12.0404.C4.o2.gp	Method	AAT/GAP
Start	1435	End	1647
GI	2797142	Score	385
Exons	1435..1647		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86400	Strand	+
Start	3150	End	4829
Name	OJ000222_12.0404.C5.o1.np	Method	AAT/NAP
Start	3150	End	4829
GI	6598842	Score	409
Exons	3150..3280, 3750..4829		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86400	Strand	+
Start	3150	End	4829
Name	OJ000222_12.0404.C5.o3.gs	Method	GENSCAN
Start	4218	End	4684
GI	none	Score	.43
Exons	4218..4684		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86401	Strand	-
Start	63	End	1197
Name	OJ000222_12.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	16	End	637
GI	none	Score	72
Exons	16..72, 17..73, 72..254, 73..255, 159..260, 347..457, 348..410, 533..637		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86401	Strand	-
Start	63	End	1197
Name	OJ000222_12.0404.C5.o1.gs	Method	GENSCAN
Start	63	End	1197
GI	none	Score	.63
Exons	63..252, 348..1097, 1160..1197		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86401	Strand	-
Start	63	End	1197
Name	OJ000222_12.0404.C5.o1.gp	Method	AAT/GAP
Start	680	End	1026
GI	1631529	Score	669
Exons	680..1026		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86402	Strand	
Start	3904	End	4828
Name	OJ000222_12.0404.C5.o1.tc	Method	TBLASTX:Cress
Start	3904	End	4823
GI	none	Score	44
Exons	3904..3978, 3919..4032, 3996..4100, 4071..4175, 4113..4232, 4134..4220, 4236..4376, 4239..4433, 4242..4421, 4242..4433, 4242..4451, 4416..4598, 4427..4576, 4434..4751, 4440..4694, 4491..4685, 4539..4817, 4539..4823, 4544..4747		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86402	Strand	
Start	3904	End	4828
Name	OJ000222_12.0404.C5.o1.ts	Method	TBLASTX:Soybean
Start	3996	End	4823
GI	none	Score	81
Exons	3996..4241, 4101..4433, 4110..4241, 4215..4433, 4241..4351, 4242..4433, 4242..4424, 4431..4574, 4434..4793, 4434..4793, 4434..4796, 4434..4814, 4439..4687, 4533..4823, 4563..4745		

Seq. No.	41638	Seq. ID	OJ000222_12.0404.C5
Gene No.	86402	Strand	
Start	3904	End	4828
Name	OJ000222_12.0404.C5.o2.tm	Method	TBLASTX:Maize
Start	4242	End	4828
GI	none	Score	77
Exons	4242..4349, 4254..4436, 4260..4472, 4260..4436, 4434..4823, 4440..4751, 4455..4652, 4457..4813, 4457..4651, 4458..4823, 4458..4823, 4472..4828		

Seq. No.	41639	Seq. ID	OJ000222_12.0404.C6
Gene No.	86403	Strand	+
Start	1	End	959
Name	OJ000222_12.0404.C6.o1.np	Method	AAT/NAP
Start	1	End	959
GI	6598837	Score	498
Exons	1..959		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	41639	Seq. ID	OJ000222_12.0404.C6
Gene No.	86403	Strand	+
Start	1	End	959
Name	OJ000222_12.0404.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	863
GI	none	Score	214
Exons	1..456, 1..249, 34..354, 70..519, 72..257, 226..366, 309..476, 492..722, 494..529, 525..863		

Seq. No.	41639	Seq. ID	OJ000222_12.0404.C6
Gene No.	86403	Strand	+
Start	1	End	959
Name	OJ000222_12.0404.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	911
GI	none	Score	245
Exons	1..393, 1..333, 19..231, 139..519, 211..519, 561..911		

Seq. No.	41639	Seq. ID	OJ000222_12.0404.C6
Gene No.	86403	Strand	+
Start	1	End	959
Name	OJ000222_12.0404.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	701
GI	none	Score	174
Exons	1..291, 1..222, 25..411, 36..188, 106..327, 142..501, 193..432, 223..378, 247..543, 310..519, 327..488, 492..701, 495..641		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86404	Strand	+
Start	322	End	3214
Name	OJ000222_12.0404.C7.o1.gs	Method	GENSCAN
Start	322	End	3214
GI	none	Score	.56
Exons	322..427, 2903..3048, 3188..3214		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86405	Strand	+
Start	10851	End	11025
Name	OJ000222_12.0404.C7.o3.gp	Method	AAT/GAP
Start	10851	End	11025
GI	none	Score	243
Exons	10851..11025		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86406	Strand	+
Start	13136	End	14561
Name	OJ000222_12.0404.C7.o3.np	Method	AAT/NAP
Start	13136	End	14561
GI	5852084	Score	69
Exons	13136..13209, 14478..14561		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86407	Strand	+
Start	20941	End	21280
Name	OJ000222_12.0404.C7.o5.gs	Method	GENSCAN
Start	20941	End	21280
GI	none	Score	.5
Exons	20941..21093, 21131..21280		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86408	Strand	-
Start	1	End	1937
Name	OJ000222_12.0404.C7.o1.np	Method	AAT/NAP
Start	1	End	1937
GI	7485028	Score	74

Exons	1..40, 149..341, 1909..1937		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245015|emb|CAB10435.1| (Z97341) glucosyltransferase like protein [Arabidopsis thaliana] gi|7268410|emb|CAB78702.1| (AL161544) glucosyltransferase like protein [Arabidopsis thaliana]		
Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86409	Strand	-
Start	4490	End	5891
Name	OJ000222_12.0404.C7.o2.gs	Method	GENSCAN
Start	4490	End	5891
GI	none	Score	.6
Exons	4490..4650, 4929..4997, 5789..5891		
Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86410	Strand	-
Start	8162	End	11725
Name	OJ000222_12.0404.C7.o1.gp	Method	AAT/GAP
Start	8005	End	8841
GI	13226_1.R1084	Score	1530
Exons	8005..8841		
GI Descrip.	'3152605 4.0e-37 (AC004482) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86410	Strand	-
Start	8162	End	11725
Name	OJ000222_12.0404.C7.o3.gs	Method	GENSCAN
Start	8162	End	11312
GI	none	Score	.91
Exons	8162..8677, 10818..11312		
Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86410	Strand	-
Start	8162	End	11725
Name	OJ000222_12.0404.C7.o2.np	Method	AAT/NAP
Start	8214	End	11725
GI	3152605	Score	566
Exons	8214..8677, 10818..11054, 11106..11328, 11625..11725		
GI Descrip.	(AC004482) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86410	Strand	-
Start	8162	End	11725
Name	OJ000222_12.0404.C7.o2.gp	Method	AAT/GAP
Start	9296	End	9685
GI	none	Score	759
Exons	9296..9685		
Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86410	Strand	-
Start	8162	End	11725
Name	OJ000222_12.0404.C7.o4.gp	Method	AAT/GAP
Start	11116	End	11425
GI	3060953	Score	574
Exons	11116..11425		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86411	Strand	-
Start	19017	End	19143
Name	OJ000222_12.0404.C7.o4.np	Method	AAT/NAP
Start	19017	End	19143
GI	6815099	Score	80
Exons	19017..19143		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86412	Strand	-
Start	22830	End	24688
Name	OJ000222_12.0404.C7.o1.tw	Method	TBLASTX:Wheat
Start	8118	End	8543
GI	none	Score	37
Exons	8118..8174, 8154..8201, 8233..8334, 8241..8495, 8252..8542, 8253..8543		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86412	Strand	-
Start	22830	End	24688
Name	OJ000222_12.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	8124	End	8739
GI	none	Score	85
Exons	8124..8192, 8235..8501, 8236..8334, 8258..8344, 8261..8623, 8265..8606, 8624..8680, 8701..8739, 8701..8739		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86412	Strand	-
Start	22830	End	24688
Name	OJ000222_12.0404.C7.o1.tc	Method	TBLASTX:Cress
Start	8273	End	8477
GI	none	Score	172
Exons	8273..8476, 8319..8477		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86412	Strand	-
Start	22830	End	24688
Name	OJ000222_12.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	8412	End	8609
GI	none	Score	175
Exons	8412..8609, 8412..8492, 8414..8608		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86412	Strand	-
Start	22830	End	24688
Name	OJ000222_12.0404.C7.o2.tm	Method	TBLASTX:Maize
Start	10818	End	11265
GI	none	Score	130
Exons	10818..10964, 10818..11102, 10819..11076, 11100..11153, 11116..11196, 11148..11183, 11223..11249, 11224..11265		

Seq. No.	41640	Seq. ID	OJ000222_12.0404.C7
Gene No.	86412	Strand	-
Start	22830	End	24688
Name	OJ000222_12.0404.C7.o6.gs	Method	GENSCAN

Start	22830	End	24688
GI	none	Score	.42
Exons	22830..23007, 23890..24000, 24483..24688		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86413	Strand	+
Start	4979	End	5506
Name	OJ000222_12.0404.C8.o1.gp	Method	AAT/GAP
Start	4979	End	5506
GI	none	Score	1044
Exons	4979..5506		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86414	Strand	+
Start	7724	End	9305
Name	OJ000222_12.0404.C8.o3.gs	Method	GENSCAN
Start	7724	End	9305
GI	none	Score	.75
Exons	7724..7810, 9276..9305		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86415	Strand	-
Start	2121	End	7176
Name	OJ000222_12.0404.C8.o1.gs	Method	GENSCAN
Start	2121	End	3750
GI	none	Score	1
Exons	2121..3353, 3442..3750		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86415	Strand	-
Start	2121	End	7176
Name	OJ000222_12.0404.C8.o1.np	Method	AAT/NAP
Start	2145	End	7176
GI	4454477	Score	638
Exons	2145..3353, 6689..6892, 7105..7176		
GI Descrip.	(AC006234) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86415	Strand	-
Start	2121	End	7176
Name	OJ000222_12.0404.C8.o2.gs	Method	GENSCAN
Start	5364	End	7093
GI	none	Score	1
Exons	5364..6596, 6689..7093		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86416	Strand	-
Start	10502	End	11920
Name	OJ000222_12.0404.C8.o3.tm	Method	TBLASTX:Maize
Start	2118	End	10672
GI	none	Score	142
Exons	2118..2282, 2130..2288, 2131..2289, 5354..5500, 5361..5525, 5373..5531, 5374..5532, 5383..5535, 10492..10638, 10495..10662, 10496..10672, 10511..10672		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86416	Strand	-

Start	10502	End	11920
Name	OJ000222_12.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	2404	End	11080
GI	none	Score	170
Exons	2404..2583, 2406..2588, 2413..2589, 2415..2588, 2588..2686, 2598..2705, 2599..2688, 2602..2709, 2694..2819, 2698..2802, 2802..2912, 2826..2918, 2922..2963, 2927..2962, 5647..5826, 5649..5831, 5656..5832, 5658..5831, 5822..5935, 5831..5941, 5841..5948, 5844..5948, 5908..6183, 5937..6206, 5941..6147, 6087..6206, 10785..10964, 10787..10969, 10794..10970, 10796..10969, 10960..11070, 10969..11070, 10979..11080, 10980..11072		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86416	Strand	-
Start	10502	End	11920
Name	OJ000222_12.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	2838	End	11806
GI	none	Score	45
Exons	2838..2909, 2937..3101, 2986..3087, 3120..3359, 3190..3315, 6180..6344, 6363..6623, 6472..6558, 6680..6748, 6681..6749, 6782..6853, 11168..11281, 11300..11560, 11409..11495, 11633..11713, 11735..11806		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86416	Strand	-
Start	10502	End	11920
Name	OJ000222_12.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	3180	End	11839
GI	none	Score	127
Exons	3180..3329, 3180..3371, 3184..3354, 6423..6614, 6439..6597, 6693..6755, 6782..6814, 6782..6853, 11355..11534, 11360..11539, 11360..11542, 11646..11708, 11735..11767, 11735..11839		

Seq. No.	41641	Seq. ID	OJ000222_12.0404.C8
Gene No.	86416	Strand	-
Start	10502	End	11920
Name	OJ000222_12.0404.C8.o4.gs	Method	GENSCAN
Start	10502	End	11920
GI	none	Score	.98
Exons	10502..11533, 11642..11920		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86417	Strand	+
Start	20343	End	20965
Name	OJ000222_12.0404.C9.o6.gs	Method	GENSCAN
Start	20343	End	20965
GI	none	Score	.93
Exons	20343..20655, 20745..20965		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86418	Strand	+
Start	24264	End	24771
Name	OJ000222_12.0404.C9.o9.gp	Method	AAT/GAP
Start	24264	End	24645
GI	none	Score	700
Exons	24264..24645		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86418	Strand	+
Start	24264	End	24771
Name	OJ000222_12.0404.C9.o4.np	Method	AAT/NAP
Start	24482	End	24771
GI	7508879	Score	84
Exons	24482..24548, 24656..24771		
GI Descrip.	hypothetical protein W03D2.1 - Caenorhabditis elegans gi|1947160|gb|AAC48255.1| (AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86419	Strand	-
Start	3264	End	6706
Name	OJ000222_12.0404.C9.o1.gp	Method	AAT/GAP
Start	3035	End	3897
GI	21951_1.R1084	Score	1610
Exons	3035..3897		
GI Descrip.	'4325345/gb|AAD17344| 2.0e-80 (AF128393) similar to thioredoxin-like proteins (Pfam: PF00085, Score=42.9, E=1.4e-11, N=1); contains similarity to dihydroorotases (Pfam: PF00744, Score=154.9, E=1.4e-42, N=1) [Arabidopsis thaliana]'		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86419	Strand	-
Start	3264	End	6706
Name	OJ000222_12.0404.C9.o2.gs	Method	GENSCAN
Start	3264	End	6576
GI	none	Score	.97
Exons	3264..4496, 6409..6576		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86419	Strand	-
Start	3264	End	6706
Name	OJ000222_12.0404.C9.o1.np	Method	AAT/NAP
Start	3267	End	6579
GI	4325345	Score	1614
Exons	3267..4496, 5158..5232, 6409..6579		
GI Descrip.	(AF128393) similar to thioredoxin-like proteins (Pfam: PF00085, Score=42.9, E=1.4e-11, N=1); contains similarity to dihydroorotases (Pfam: PF00744, Score=154.9, E=1.4e-42, N=1) [Arabidopsis thaliana] gi|7267254|emb|CAB81037.1| (AL161502) putative thioredoxin [Arabidopsis thaliana]		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86419	Strand	-
Start	3264	End	6706
Name	OJ000222_12.0404.C9.o2.gp	Method	AAT/GAP
Start	3891	End	4085
GI	none	Score	334
Exons	3891..4085		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86419	Strand	-
Start	3264	End	6706
Name	OJ000222_12.0404.C9.o3.gp	Method	AAT/GAP

Start	4401	End	6706
GI	58694_1.R1084	Score	855
Exons	4401..4496, 5158..5232, 6409..6706		
GI Descrip.	'4325345/gb|AAD17344| 8.0e-26 (AF128393) similar to thioredoxin-like proteins (Pfam: PF00085, Score=42.9, E=1.4e-11, N=1); contains similarity to dihydroorotases (Pfam: PF00744, Score=154.9, E=1.4e-42, N=1) [Arabidopsis thaliana]'		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86420	Strand	-
Start	7701	End	10601
Name	OJ000222_12.0404.C9.o3.gs	Method	GENSCAN
Start	7701	End	10243
GI	none	Score	.75
Exons	7701..7773, 8185..8231, 8312..8431, 9097..9575, 9787..10243		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86420	Strand	-
Start	7701	End	10601
Name	OJ000222_12.0404.C9.o4.gp	Method	AAT/GAP
Start	7877	End	8402
GI	none	Score	840
Exons	7877..8231, 8312..8402		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86420	Strand	-
Start	7701	End	10601
Name	OJ000222_12.0404.C9.o2.np	Method	AAT/NAP
Start	8184	End	10243
GI	7452042	Score	746
Exons	8184..8233, 8299..8431, 8546..8767, 9097..9767, 9816..10243		
GI Descrip.	hypothetical protein F26K10.140 - Arabidopsis thaliana gi|7269680|emb|CAB79628.1| (AL161572) putative protein [Arabidopsis thaliana]		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86420	Strand	-
Start	7701	End	10601
Name	OJ000222_12.0404.C9.o5.gp	Method	AAT/GAP
Start	9278	End	9668
GI	none	Score	762
Exons	9278..9668		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86420	Strand	-
Start	7701	End	10601
Name	OJ000222_12.0404.C9.o6.gp	Method	AAT/GAP
Start	9925	End	10601
GI	none	Score	885
Exons	9925..10373, 10554..10601		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86421	Strand	-
Start	16031	End	19155
Name	OJ000222_12.0404.C9.o7.gp	Method	AAT/GAP
Start	16031	End	19155
GI	none	Score	1903

Exons	16031..16445, 16990..17049, 17680..17776, 18145..18440, 18995..19155		
Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86421	Strand	-
Start	16031	End	19155
Name	OJ000222_12.0404.C9.o5.gs	Method	GENSCAN
Start	16200	End	19121
GI	none	Score	.98
Exons	16200..16445, 16990..17049, 18145..18440, 18995..19121		
Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o1.tc	Method	TBLASTX:Cress
Start	3244	End	4215
GI	none	Score	156
Exons	3244..3396, 3252..3485, 3325..3483, 3580..3807, 3588..3806, 3996..4214, 4038..4211, 4087..4215		
Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o1.tm	Method	TBLASTX:Maize
Start	3261	End	4301
GI	none	Score	111
Exons	3261..3554, 3264..4175, 3267..3440, 3281..3346, 3322..3540, 3325..4176, 3586..3864, 3603..3881, 3987..4298, 3996..4301, 4003..4266, 4011..4244, 4087..4269		
Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o1.ts	Method	TBLASTX:Soybean
Start	3261	End	6500
GI	none	Score	369
Exons	3261..3566, 3261..3641, 3264..3971, 3267..3932, 3325..3972, 3325..3534, 3577..3861, 3579..3896, 3586..3879, 3597..3896, 3957..4292, 3981..4244, 3987..4292, 3987..4331, 3996..4298, 3997..4269, 4004..4105, 4011..4244, 4087..4263, 4317..4514, 4336..4512, 5138..5242, 5158..5247, 6400..6474, 6480..6500		
Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o4.tm	Method	TBLASTX:Maize
Start	4302	End	5193
GI	none	Score	259
Exons	4302..4511, 4305..4514, 4306..4512, 4420..4515, 5138..5191, 5146..5193		
Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o2.tm	Method	TBLASTX:Maize
Start	8181	End	10265
GI	none	Score	55

Exons 8181..8234, 8182..8232, 8310..8447, 8310..8438, 8312..8443, 8543..8683, 8550..8636, 8635..8760, 8636..8767, 8639..8761, 8691..8768, 9076..9558, 9095..9559, 9096..9560, 9424..9573, 9456..9563, 9571..9735, 9573..9734, 9713..9787, 9738..9893, 9740..9883, 9859..9903, 9876..10265, 9878..10252

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o3.ts	Method	TBLASTX:Soybean
Start	8310	End	9150
GI	none	Score	104

Exons 8310..8444, 8310..8438, 8321..8443, 8543..8635, 8543..8659, 8550..8636, 8690..8767, 8718..8768, 9076..9150

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o3.tc	Method	TBLASTX:Cress
Start	9927	End	10117
GI	none	Score	113

Exons 9927..10115, 9944..10117

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o6.tm	Method	TBLASTX:Maize
Start	16196	End	17761
GI	none	Score	53

Exons 16196..16258, 16253..16297, 16299..16448, 16300..16446, 16323..16454, 16990..17052, 16994..17056, 17651..17755, 17675..17761

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o5.tm	Method	TBLASTX:Maize
Start	20746	End	20965
GI	none	Score	256

Exons 20746..20802, 20747..20965, 20834..20965

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o7.tm	Method	TBLASTX:Maize
Start	22025	End	22336
GI	none	Score	47

Exons 22025..22054, 22031..22054, 22043..22099, 22055..22099, 22112..22237, 22118..22237, 22137..22325, 22141..22335, 22142..22336, 22142..22336

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o8.gp	Method	AAT/GAP
Start	22121	End	23509
GI	uC-osflcyp162h01b1	Score	809

Exons	22121..22501, 23452..23509		
GI Descrip.	'4850408/gb|AAD31078.1|AC007357_27 1.0e-23 (AC007357) Contains PF_00097 Zinc finger (C3HC4) ring finger motif. [Arabidopsis thaliana]'		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o4.ts	Method	TBLASTX:Soybean
Start	22277	End	22509
GI	none	Score	159
Exons	22277..22507, 22288..22509		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o7.gs	Method	GENSCAN
Start	22291	End	24652
GI	none	Score	.66
Exons	22291..22501, 23452..23652, 23760..23860, 23948..24098, 24588..24652		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o3.np	Method	AAT/NAP
Start	22294	End	24655
GI	6522597	Score	772
Exons	22294..22501, 23452..23686, 23794..23860, 23948..24098, 24588..24655		
GI Descrip.	(AL133292) RNA binding-like protein [Arabidopsis thaliana]		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o2.tc	Method	TBLASTX:Cress
Start	22315	End	23858
GI	none	Score	57
Exons	22315..22476, 22328..22384, 22433..22495, 22435..22500, 23448..23684, 23448..23567, 23452..23688, 23610..23687, 23795..23857, 23796..23858		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o3.tm	Method	TBLASTX:Maize
Start	22337	End	24755
GI	none	Score	176
Exons	22337..22498, 22339..22518, 22339..22500, 22368..22532, 23437..23685, 23441..23686, 23451..23687, 23452..23688, 23795..23860, 23796..23870, 23797..23874, 23928..24107, 23929..24096, 23945..24097, 24587..24652, 24588..24653, 24726..24755		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755

Name	OJ000222_12.0404.C9.o2.ts	Method	TBLASTX:Soybean
Start	23509	End	24653
GI	none	Score	126
Exons	23509..23688, 23511..23564, 23513..23680, 23607..23687, 23775..23861, 23795..23860, 23796..23861, 23928..24107, 23945..24097, 24587..24652, 24588..24653		

Seq. No.	41642	Seq. ID	OJ000222_12.0404.C9
Gene No.	86422	Strand	-
Start	22291	End	24755
Name	OJ000222_12.0404.C9.o4.tc	Method	TBLASTX:Cress
Start	23943	End	24643
GI	none	Score	148
Exons	23943..24107, 23951..24097, 24587..24643		

Seq. No.	41643	Seq. ID	OJ000222_12.0404.C10
Gene No.	86423	Strand	+
Start	877	End	1885
Name	OJ000222_12.0404.C10.o1.gs	Method	GENSCAN
Start	877	End	1885
GI	none	Score	.63
Exons	877..1081, 1785..1885		

Seq. No.	41643	Seq. ID	OJ000222_12.0404.C10
Gene No.	86424	Strand	+
Start	2503	End	4657
Name	OJ000222_12.0404.C10.o2.gs	Method	GENSCAN
Start	2503	End	4657
GI	none	Score	.78
Exons	2503..2513, 2721..2823, 4634..4657		

Seq. No.	41643	Seq. ID	OJ000222_12.0404.C10
Gene No.	86425	Strand	+
Start	4886	End	8025
Name	OJ000222_12.0404.C10.o1.np	Method	AAT/NAP
Start	4873	End	8025
GI	7446178	Score	234
Exons	4873..4988, 5598..5727, 6179..6470, 6581..6765, 7921..8025		
GI Descrip.	myb-related protein 2 - rice gi|2605619|dbj|BAA23338.1| (D88618) OSMYB2 [Oryza sativa]		

Seq. No.	41643	Seq. ID	OJ000222_12.0404.C10
Gene No.	86425	Strand	+
Start	4886	End	8025
Name	OJ000222_12.0404.C10.o3.gs	Method	GENSCAN
Start	4886	End	6830
GI	none	Score	.88
Exons	4886..4988, 5598..5727, 6179..6830		

Seq. No.	41643	Seq. ID	OJ000222_12.0404.C10
Gene No.	86426	Strand	-
Start	7241	End	8125
Name	OJ000222_12.0404.C10.o1.ts	Method	TBLASTX:Soybean
Start	4877	End	6262
GI	none	Score	101
Exons	4877..4993, 5593..5727, 5594..5728, 5600..5728, 6170..6262, 6171..6260		

Seq. No.	41643	Seq. ID	OJ000222_12.0404.C10
Gene No.	86426	Strand	-
Start	7241	End	8125
Name	OJ000222_12.0404.C10.o4.gs	Method	GENSCAN
Start	7241	End	8125
GI	none	Score	.56
Exons	7241..7434, 8038..8125		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86427	Strand	+
Start	3183	End	3668
Name	OJ000222_12.0404.C11.o1.gp	Method	AAT/GAP
Start	3183	End	3668
GI	2799206	Score	711
Exons	3183..3668		
GI Descrip.	416314/gb|U03443|PRS403 5.0e-14 Yeast integrative vector pRS403 with HIS3 marker, complete sequence		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86428	Strand	+
Start	13352	End	13931
Name	OJ000222_12.0404.C11.o2.gp	Method	AAT/GAP
Start	13352	End	13931
GI	54183_1.R1084	Score	1143
Exons	13352..13931		
GI Descrip.	'4972071/emb|CAB43878.1| 4.0e-09 (AL078467) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86429	Strand	+
Start	18819	End	19001
Name	OJ000222_12.0404.C11.o4.gs	Method	GENSCAN
Start	18819	End	19001
GI	none	Score	.75
Exons	18819..19001		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86430	Strand	-
Start	1405	End	6186
Name	OJ000222_12.0404.C11.o1.gs	Method	GENSCAN
Start	1405	End	6186
GI	none	Score	.71
Exons	1405..1537, 1711..1897, 2045..2313, 3467..3703, 3906..4041, 4652..4732, 4973..5124, 5736..5782, 5873..6020, 6143..6186		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86431	Strand	-
Start	9360	End	15552
Name	OJ000222_12.0404.C11.o1.np	Method	AAT/NAP
Start	9360	End	13038
GI	6598837	Score	654
Exons	9360..9386, 10783..12075, 12850..13038		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86431	Strand	-

Start	9360	End	15552
Name	OJ000222_12.0404.C11.o2.gs	Method	GENSCAN
Start	10660	End	12180
GI	none	Score	.72
Exons	10660..12180		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86431	Strand	-
Start	9360	End	15552
Name	OJ000222_12.0404.C11.o3.np	Method	AAT/NAP
Start	12651	End	15482
GI	7486257	Score	397
Exons	12651..12722, 12896..13019, 13564..14318, 15151..15482		
GI Descrip.	hypothetical protein F27G19.60 - Arabidopsis thaliana gi|4972071|emb|CAB43878.1| (AL078467) hypothetical protein [Arabidopsis thaliana] gi|7269600|emb|CAB81396.1| (AL161571) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86431	Strand	-
Start	9360	End	15552
Name	OJ000222_12.0404.C11.o3.gs	Method	GENSCAN
Start	13493	End	15482
GI	none	Score	1
Exons	13493..14318, 15151..15482		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86431	Strand	-
Start	9360	End	15552
Name	OJ000222_12.0404.C11.o3.gp	Method	AAT/GAP
Start	13938	End	14391
GI	2798515	Score	838
Exons	13938..14391		
GI Descrip.	4972071/emb|CAB43878.1| 4.0e-09 (AL078467) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86431	Strand	-
Start	9360	End	15552
Name	OJ000222_12.0404.C11.o4.gp	Method	AAT/GAP
Start	15142	End	15552
GI	none	Score	769
Exons	15142..15552		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86432	Strand	-
Start	19812	End	22012
Name	OJ000222_12.0404.C11.o5.gs	Method	GENSCAN
Start	19812	End	22012
GI	none	Score	.67
Exons	19812..20369, 21863..22012		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o1.tc	Method	TBLASTX:Cress
Start	1856	End	11919

GI	none	Score	66
Exons	1856..2038, 10762..11088, 10763..11083, 10765..10908, 10807..11193, 10822..11013, 10826..11014, 10891..11103, 10927..11307, 10931..11323, 11008..11226, 11038..11403, 11090..11389, 11137..11508, 11140..11349, 11141..11506, 11153..11290, 11236..11433, 11251..11595, 11279..11434, 11323..11538, 11338..11595, 11347..11595, 11416..11604, 11461..11601, 11608..11727, 11638..11793, 11740..11919		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o3.tm	Method	TBLASTX:Maize
Start	3321	End	5148
GI	none	Score	34
Exons	3321..3404, 3353..3373, 3451..3639, 3454..3651, 3461..3652, 3646..3708, 3653..3709, 3905..3985, 3906..3971, 3907..3975, 4138..4185, 4639..4698, 4641..4697, 4690..4821, 4695..4820, 4697..4831, 4940..4975, 4941..4982, 5068..5148, 5070..5138		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o2.ts	Method	TBLASTX:Soybean
Start	5070	End	6130
GI	none	Score	74
Exons	5070..5123, 5733..5783, 5735..5785, 5870..6025, 5886..6026, 6107..6130, 6109..6129		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o2.tc	Method	TBLASTX:Cress
Start	5750	End	6026
GI	none	Score	44
Exons	5750..5785, 5751..5783, 5870..5896, 5891..6025, 5892..6026		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o1.tm	Method	TBLASTX:Maize
Start	10756	End	11610
GI	none	Score	76
Exons	10756..10941, 10760..11023, 10762..11241, 10762..11151, 10762..11052, 10856..11353, 10858..11361, 10963..11466, 11068..11571, 11173..11610		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o1.ts	Method	TBLASTX:Soybean
Start	10760	End	11931
GI	none	Score	118
Exons	10760..11242, 10762..11079, 10762..11286, 10762..10986, 10774..10983, 10787..11053, 10807..11094, 10807..10947, 10825..11196, 10834..11604, 10834..11025, 10859..11209, 10859..11101, 10879..11061, 10906..11028, 11041..11391,		

11077..11262, 11126..11233, 11137..11505, 11138..11515,
11251..11595, 11252..11440, 11267..11491, 11284..11430,
11386..11559, 11539..11604, 11611..11739, 11749..11925,
11779..11931

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o2.tm	Method	TBLASTX:Maize
Start	13476	End	13882
GI	none	Score	264
Exons	13476..13706, 13492..13599, 13511..13663, 13778..13882, 13790..13867, 13815..13874		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o1.tw	Method	TBLASTX:Wheat
Start	13677	End	14083
GI	none	Score	41
Exons	13677..13703, 13784..14083, 13790..13900, 13815..13988, 14033..14080		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o6.gs	Method	GENSCAN
Start	23272	End	30571
GI	none	Score	.44
Exons	23272..23395, 23462..23631, 23637..23847, 24697..24815, 26580..26820, 28538..28719, 29815..30007, 30162..30571		

Seq. No.	41644	Seq. ID	OJ000222_12.0404.C11
Gene No.	86433	Strand	-
Start	23272	End	30571
Name	OJ000222_12.0404.C11.o4.tm	Method	TBLASTX:Maize
Start	28549	End	28860
GI	none	Score	66
Exons	28549..28599, 28558..28599, 28644..28802, 28650..28805, 28652..28804, 28816..28860, 28830..28859		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86434	Strand	+
Start	151	End	4120
Name	OJ000222_12.0404.C12.o1.gs	Method	GENSCAN
Start	151	End	4120
GI	none	Score	.59
Exons	151..219, 643..726, 1992..2178, 2314..2469, 2681..2694, 2808..2914, 3059..3284, 3379..3492, 3836..4120		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86434	Strand	+
Start	151	End	4120
Name	OJ000222_12.0404.C12.o1.gp	Method	AAT/GAP
Start	1954	End	2445
GI	3061157	Score	637
Exons	1954..2178, 2314..2445		

GI Descrip. 4741186/emb|CAB41852.1| 5.0e-19 (AL049746) putative protein [Arabidopsis thaliana]

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86434	Strand	+
Start	151	End	4120
Name	OJ000222_12.0404.C12.o2.np	Method	AAT/NAP
Start	2071	End	3988
GI	7487371	Score	329
Exons	2071..2178, 2314..2382, 3379..3497, 3820..3988		
GI Descrip.	hypothetical protein T23J7.20 - Arabidopsis thaliana gi|4741186|emb|CAB41852.1| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86435	Strand	+
Start	9482	End	10123
Name	OJ000222_12.0404.C12.o3.gs	Method	GENSCAN
Start	9482	End	10123
GI	none	Score	.6
Exons	9482..10123		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86436	Strand	+
Start	10187	End	11957
Name	OJ000222_12.0404.C12.o4.np	Method	AAT/NAP
Start	10187	End	11957
GI	5922620	Score	139
Exons	10187..10254, 11418..11685, 11850..11957		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86437	Strand	-
Start	226	End	323
Name	OJ000222_12.0404.C12.o1.np	Method	AAT/NAP
Start	226	End	323
GI	5777617	Score	73
Exons	226..323		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86438	Strand	-
Start	3459	End	10006
Name	OJ000222_12.0404.C12.o3.np	Method	AAT/NAP
Start	3459	End	10006
GI	3738308	Score	1022
Exons	3459..3555, 5185..5287, 5805..5876, 6377..6493, 7222..7296, 7419..7621, 7749..7882, 8497..8599, 8700..8830, 9500..9584, 9675..9808, 9845..10006		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86438	Strand	-

Start	3459	End	10006
Name	OJ000222_12.0404.C12.o2.gp	Method	AAT/GAP
Start	4748	End	6468
GI	uC-osflm202106f07b1	Score	752
Exons	4748..4951, 5189..5287, 5805..5849, 6377..6468		
GI Descrip.	'4249402 4.0e-10 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86438	Strand	-
Start	3459	End	10006
Name	OJ000222_12.0404.C12.o2.gs	Method	GENSCAN
Start	4931	End	7828
GI	none	Score	.63
Exons	4931..4951, 5189..5287, 5805..5849, 6377..6493, 7222..7328, 7535..7614, 7737..7828		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86438	Strand	-
Start	3459	End	10006
Name	OJ000222_12.0404.C12.o3.gp	Method	AAT/GAP
Start	7530	End	9750
GI	5667191	Score	1153
Exons	7530..7614, 7737..7882, 8497..8599, 8700..8830, 9500..9584, 9675..9750		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86439	Strand	-
Start	11158	End	11830
Name	OJ000222_12.0404.C12.o4.gs	Method	GENSCAN
Start	11158	End	11830
GI	none	Score	.41
Exons	11158..11367, 11529..11657, 11791..11830		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86440	Strand	-
Start	11819	End	12180
Name	OJ000222_12.0404.C12.o4.gp	Method	AAT/GAP
Start	11819	End	12180
GI	LIB3479-006-Q6-K1-B11	Score	493
Exons	11819..12180		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o3.tm	Method	TBLASTX:Maize
Start	2064	End	4326
GI	none	Score	187
Exons	2064..2177, 2068..2178, 2103..2189, 2138..2179, 2313..2423, 2335..2469, 2805..2909, 2807..2914, 2808..2912, 2810..2926, 2818..2916, 3018..3179, 3018..3125, 3028..3186, 3069..3296, 3175..3207, 3179..3223, 3261..3293, 3364..3492, 3376..3516, 3383..3493, 3456..3509, 3839..3883, 3938..4024, 3958..4029,		

4021..4125, 4022..4126, 4217..4267, 4306..4326

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o2.ts	Method	TBLASTX:Soybean
Start	2073	End	3495
GI	none	Score	147
Exons	2073..2177, 2074..2178, 2313..2423, 2335..2484, 2380..2469, 2805..2912, 2807..2914, 2808..2903, 3018..3122, 3349..3474, 3379..3495, 3456..3491		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o1.tc	Method	TBLASTX:Cress
Start	2313	End	2903
GI	none	Score	228
Exons	2313..2423, 2335..2472, 2380..2469, 2795..2902, 2805..2903, 2808..2903		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o1.tm	Method	TBLASTX:Maize
Start	7240	End	8722
GI	none	Score	91
Exons	7240..7296, 7243..7293, 7244..7297, 7398..7613, 7409..7615, 7420..7614, 7731..7859, 7733..7885, 7736..7885, 8489..8602, 8494..8598, 8496..8606, 8699..8722, 8699..8722		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o2.tc	Method	TBLASTX:Cress
Start	7413	End	8544
GI	none	Score	53
Exons	7413..7490, 7428..7490, 7438..7527, 7491..7604, 7492..7581, 7677..7715, 7766..7885, 7767..7883, 8488..8544		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o1.ts	Method	TBLASTX:Soybean
Start	7548	End	8828
GI	none	Score	90
Exons	7548..7616, 7757..7894, 7764..7871, 8488..8562, 8488..8562, 8495..8563, 8566..8604, 8568..8600, 8699..8755, 8709..8756, 8753..8827, 8754..8828		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o2.tm	Method	TBLASTX:Maize
Start	8723	End	10078
GI	none	Score	169
Exons	8723..8830, 8724..8831, 8725..8832, 8725..8832, 9500..9583,		

9500..9583, 9662..9781, 9785..9817, 9786..9815, 9857..9976, 9884..9961, 9921..9977, 10049..10078

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o3.tc	Method	TBLASTX:Cress
Start	8756	End	9973
GI	none	Score	78
Exons	8756..8830, 8763..8831, 8764..8835, 9500..9583, 9500..9583, 9662..9787, 9920..9973		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o3.ts	Method	TBLASTX:Soybean
Start	9497	End	9976
GI	none	Score	71
Exons	9497..9580, 9500..9583, 9662..9763, 9869..9907, 9932..9976		

Seq. No.	41645	Seq. ID	OJ000222_12.0404.C12
Gene No.	86441	Strand	-
Start	12096	End	12798
Name	OJ000222_12.0404.C12.o5.np	Method	AAT/NAP
Start	12096	End	12798
GI	6630699	Score	85
Exons	12096..12182, 12761..12798		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o1.gp	Method	AAT/GAP
Start	1	End	614
GI	25586_1.R1084	Score	976
Exons	1..383, 500..614		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-11 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o1.gs	Method	GENSCAN
Start	41	End	8052
GI	none	Score	.68
Exons	41..108, 263..383, 500..883, 1352..1528, 1940..2234, 2325..2454, 2610..2787, 3236..3472, 4012..4094, 4720..4799, 4884..5502, 5907..6473, 6605..6692, 7144..7245, 7430..7542, 7984..8052		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o1.tm	Method	TBLASTX:Maize
Start	216	End	2035
GI	none	Score	142

Exons	216..332, 217..333, 314..385, 325..384, 336..386, 339..395, 500..655, 504..653, 656..886, 658..888, 659..889, 1352..1531, 1353..1529, 1354..1557, 1935..1994, 1937..2035, 1939..1995, 1995..2030		
Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o1.ts	Method	TBLASTX:Soybean
Start	234	End	803
GI	none	Score	127
Exons	234..386, 235..384, 500..649, 740..793, 759..803	500..685, 504..665, 728..802,	
Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o1.tw	Method	TBLASTX:Wheat
Start	336	End	864
GI	none	Score	71
Exons	336..386, 337..384, 339..386, 505..750, 505..750, 750..836,	500..748, 504..749, 504..749, 751..864, 752..862	
Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o1.np	Method	AAT/NAP
Start	440	End	8055
GI	7267251	Score	3359
Exons	440..883, 1352..1528, 1940..2469, 2576..2787, 3236..3472, 4012..4094, 4720..4799, 4884..5502, 5907..6435, 7144..7245, 7430..7542, 7713..7801, 7984..8055		
GI Descrip.	(AL161502) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o7.ts	Method	TBLASTX:Soybean
Start	1352	End	1492
GI	5753471	Score	153
Exons	1352..1492, 1353..1490		
GI Descrip.	4325342/gb_AAD17341_ 3.0e-31 (AF128393) No definition line found [Arabidopsis thaliana]		
Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o2.gp	Method	AAT/GAP
Start	1386	End	2175
GI	LIB3433-056-P1-K1-F5	Score	647
Exons	1386..1528, 1940..2175		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-19 (AF128393) No definition line found [Arabidopsis thaliana]'		
Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055

Name	OJ000222_12.0404.C13.o3.tm	Method	TBLASTX:Maize
Start	2118	End	2418
GI	none	Score	380
Exons	2118..2417, 2130..2417, 2137..2418, 2371..2418		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o5.ts	Method	TBLASTX:Soybean
Start	2244	End	2770
GI	none	Score	197
Exons	2244..2483, 2244..2318, 2245..2421, 2252..2467, 2678..2770, 2707..2769		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o4.ts	Method	TBLASTX:Soybean
Start	3230	End	3467
GI	none	Score	241
Exons	3230..3466, 3255..3467		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o4.tm	Method	TBLASTX:Maize
Start	3248	End	3473
GI	none	Score	254
Exons	3248..3418, 3249..3416, 3440..3466, 3441..3473		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o2.tm	Method	TBLASTX:Maize
Start	4012	End	5140
GI	none	Score	136
Exons	4012..4077, 4013..4096, 4014..4133, 4721..4801, 4724..4795, 4743..4802, 4880..5140, 4884..5129, 4886..5137		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o6.ts	Method	TBLASTX:Soybean
Start	4721	End	5008
GI	none	Score	90
Exons	4721..4795, 4721..4801, 4722..4805, 4743..4802, 4744..4806, 4880..5008, 4884..5006		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o3.ts	Method	TBLASTX:Soybean
Start	5009	End	5372
GI	none	Score	207
Exons	5009..5269, 5010..5252, 5291..5359, 5301..5372		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13

Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o3.gp	Method	AAT/GAP
Start	5177	End	6029
GI	uC-osf1M202089e01b1	Score	870
Exons	5177..5502, 5907..6029		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41646	Seq. ID	OJ000222_12.0404.C13
Gene No.	86442	Strand	-
Start	1	End	8055
Name	OJ000222_12.0404.C13.o2.ts	Method	TBLASTX:Soybean
Start	6265	End	6510
GI	none	Score	177
Exons	6265..6432, 6266..6433, 6266..6433, 6426..6500, 6430..6510, 6431..6508		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86443	Strand	+
Start	118	End	178
Name	OJ000222_12.0404.C14.o1.gs	Method	GENSCAN
Start	118	End	178
GI	none	Score	.48
Exons	118..178		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86444	Strand	+
Start	1813	End	4039
Name	OJ000222_12.0404.C14.o2.gs	Method	GENSCAN
Start	1813	End	3901
GI	none	Score	.99
Exons	1813..3901		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86444	Strand	+
Start	1813	End	4039
Name	OJ000222_12.0404.C14.o1.np	Method	AAT/NAP
Start	2053	End	4039
GI	7242905	Score	2733
Exons	2053..2230, 2285..4039		
GI Descrip.	(AP001383) EST D28292(R0844) corresponds to a region of the predicted gene.; Similar to putative pre-mRNA splicing factor. (AF071527) [Oryza sativa]		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86444	Strand	+
Start	1813	End	4039
Name	OJ000222_12.0404.C14.o1.tc	Method	TBLASTX:Cress
Start	2941	End	3540
GI	none	Score	69
Exons	2941..3057, 2944..3066, 3067..3243, 3073..3237, 3108..3521, 3109..3519, 3388..3540		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86444	Strand	+
Start	1813	End	4039

Name	OJ000222_12.0404.C14.o1.tm	Method	TBLASTX:Maize
Start	2941	End	3983
GI	none	Score	91
Exons	2941..3090, 2974..3141, 3118..3261, 3157..3234, 3298..3462, 3390..3980, 3391..3981, 3393..3983, 3700..3933, 3707..3982, 3712..3837		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86444	Strand	+
Start	1813	End	4039
Name	OJ000222_12.0404.C14.o1.ts	Method	TBLASTX:Soybean
Start	3019	End	3981
GI	none	Score	49
Exons	3019..3126, 3157..3234, 3700..3981, 3700..3978, 3702..3977, 3703..3840, 3709..3981, 3712..3885		

Seq. No.	41647	Seq. ID	OJ000222_12.0404.C14
Gene No.	86444	Strand	+
Start	1813	End	4039
Name	OJ000222_12.0404.C14.o2.tc	Method	TBLASTX:Cress
Start	3541	End	3936
GI	none	Score	312
Exons	3541..3768, 3543..3758, 3703..3807, 3751..3936, 3759..3935		

Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.gp	Method	AAT/GAP
Start	331	End	1169
GI	19047_1.R1084	Score	1636
Exons	331..1169		
GI Descrip.	'4960154/gb|AAD34615.1|AF153283_1 7.0e-24 (AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]'		

Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.np	Method	AAT/NAP
Start	491	End	1169
GI	4960154	Score	264
Exons	491..920, 1122..1169		
GI Descrip.	(AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.gs	Method	GENSCAN
Start	539	End	919
GI	none	Score	.64
Exons	539..919		

Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.tm	Method	TBLASTX:Maize
Start	621	End	931

GI	none	Score	213
Exons	621..650, 704..922, 705..851, 709..924, 710..931, 748..930		
Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.tw	Method	TBLASTX:Wheat
Start	673	End	918
GI	none	Score	227
Exons	673..918, 704..916		
Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.tc	Method	TBLASTX:Cress
Start	726	End	924
GI	none	Score	176
Exons	726..851, 736..924, 758..922		
Seq. No.	41648	Seq. ID	OJ000222_12.0404.C16
Gene No.	86445	Strand	-
Start	331	End	1169
Name	OJ000222_12.0404.C16.o1.ts	Method	TBLASTX:Soybean
Start	729	End	924
GI	none	Score	191
Exons	729..851, 730..924, 758..922		
Seq. No.	41649	Seq. ID	OJ000302_04.0410.C1
Gene No.	86446	Strand	-
Start	1501	End	1928
Name	OJ000302_04.0410.C1.o1.gp	Method	AAT/GAP
Start	1501	End	1928
GI	LIB3432-059-P1-K1-D8	Score	610
Exons	1501..1928		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	41650	Seq. ID	OJ000302_04.0410.C2
Gene No.	86447	Strand	+
Start	2348	End	2711
Name	OJ000302_04.0410.C2.o2.gp	Method	AAT/GAP
Start	2348	End	2711
GI	LIB3433-057-P1-K1-A1	Score	647
Exons	2348..2711		
GI Descrip.	'1245938/gb|S80361|S80361 3.0e-11 rabClC-2 beta=chloride channel ClC-2G isoform [rabbits, heart atrium, mRNA, 2998 nt]'		
Seq. No.	41650	Seq. ID	OJ000302_04.0410.C2
Gene No.	86448	Strand	-
Start	1503	End	7766
Name	OJ000302_04.0410.C2.o1.gs	Method	GENSCAN
Start	1503	End	7766
GI	none	Score	.63
Exons	1503..1576, 2031..2193, 3026..3075, 4854..4923, 4946..5102, 5104..5284, 5426..5566, 5626..5782, 7443..7766		
Seq. No.	41650	Seq. ID	OJ000302_04.0410.C2

Gene No.	86448	Strand	-
Start	1503	End	7766
Name	OJ000302_04.0410.C2.o1.gp	Method	AAT/GAP
Start	1591	End	2174
GI	none	Score	790
Exons	1591..1853, 2031..2174		

Seq. No.	41650	Seq. ID	OJ000302_04.0410.C2
Gene No.	86448	Strand	-
Start	1503	End	7766
Name	OJ000302_04.0410.C2.o3.gp	Method	AAT/GAP
Start	4070	End	4983
GI	none	Score	1225
Exons	4070..4498, 4649..4743, 4854..4983		

Seq. No.	41650	Seq. ID	OJ000302_04.0410.C2
Gene No.	86449	Strand	-
Start	8838	End	8936
Name	OJ000302_04.0410.C2.o2.gs	Method	GENSCAN
Start	8838	End	8936
GI	none	Score	.44
Exons	8838..8936		

Seq. No.	41651	Seq. ID	OJ000302_04.0410.C3
Gene No.	86450	Strand	+
Start	1	End	632
Name	OJ000302_04.0410.C3.o1.np	Method	AAT/NAP
Start	1	End	632
GI	3283026	Score	58
Exons	1..52, 343..437, 519..632		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	41651	Seq. ID	OJ000302_04.0410.C3
Gene No.	86450	Strand	+
Start	1	End	632
Name	OJ000302_04.0410.C3.o1.gs	Method	GENSCAN
Start	122	End	285
GI	none	Score	.75
Exons	122..285		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86451	Strand	+
Start	44	End	729
Name	OJ000302_04.0410.C4.o1.gs	Method	GENSCAN
Start	44	End	729
GI	none	Score	.63
Exons	44..124, 598..729		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86452	Strand	+
Start	6656	End	7006
Name	OJ000302_04.0410.C4.o3.gs	Method	GENSCAN
Start	6656	End	7006
GI	none	Score	.88
Exons	6656..7006		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4

Gene No.	86453	Strand	-
Start	1	End	863
Name	OJ000302_04.0410.C4.o1.np	Method	AAT/NAP
Start	1	End	863
GI	7297571	Score	70
Exons	1..59, 609..863		
GI Descrip.	(AE003626) Srp54 gene product [Drosophila melanogaster]		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	2373	End	4857
GI	none	Score	131
Exons	2373..2549, 2395..2547, 2423..2548, 3228..3338, 3229..3336, 3439..3558, 3441..3551, 3449..3559, 3644..3718, 3646..3720, 4027..4152, 4031..4150, 4630..4731, 4641..4745, 4734..4847, 4807..4857		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o2.gs	Method	GENSCAN
Start	2390	End	5245
GI	none	Score	.81
Exons	2390..2538, 3227..3336, 3440..3565, 3644..3778, 4499..4562, 4643..4839, 4944..4999, 5150..5245		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	2393	End	4334
GI	none	Score	142
Exons	2393..2548, 2400..2549, 3228..3338, 3229..3333, 3429..3554, 3434..3565, 3439..3567, 3638..3733, 3643..3732, 3653..3733, 4003..4152, 4034..4150, 4034..4165, 4258..4284, 4259..4285, 4289..4333, 4305..4334		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o2.np	Method	AAT/NAP
Start	2393	End	6941
GI	2388580	Score	1252
Exons	2393..2538, 3227..3336, 3440..3565, 3644..3731, 4032..4152, 4258..4331, 4499..4562, 4643..4839, 4944..4995, 5137..5246, 6831..6941		
GI Descrip.	(AC000098) Similar to Sequence 10 from patent 5477002 (gb|1253956). [Arabidopsis thaliana]		

Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o2.tc	Method	TBLASTX:Cress
Start	2393	End	3338
GI	none	Score	131

Exons	2393..2548, 2406..2540, 3234..3338, 3235..3336		
Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o1.gp	Method	AAT/GAP
Start	2431	End	4741
GI	17872_1.R1084	Score	1407
Exons	2431..2538, 3227..3336, 3440..3565, 3644..3731, 4032..4152, 4258..4331, 4499..4562, 4643..4741		
GI Descrip.	'2388580 1.0e-129 (AC000098) Similar to Sequence 10 from patent 5477002 (gb_1253956). [Arabidopsis thaliana]'		
Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	3428	End	4155
GI	none	Score	144
Exons	3428..3565, 3442..3567, 3638..3733, 3643..3732, 4033..4155, 4034..4153		
Seq. No.	41652	Seq. ID	OJ000302_04.0410.C4
Gene No.	86454	Strand	-
Start	2390	End	6941
Name	OJ000302_04.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	4640	End	6919
GI	none	Score	88
Exons	4640..4741, 4641..4724, 4641..4742, 4642..4737, 4776..4844, 4777..4845, 4807..4836, 6830..6919		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86455	Strand	+
Start	2426	End	5275
Name	OJ000302_04.0410.C5.o1.gs	Method	GENSCAN
Start	2426	End	5275
GI	none	Score	.64
Exons	2426..2838, 2973..3164, 4284..4348, 5205..5275		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86456	Strand	+
Start	7305	End	10224
Name	OJ000302_04.0410.C5.o2.np	Method	AAT/NAP
Start	7305	End	10224
GI	6691716	Score	2584
Exons	7305..8189, 8386..8564, 8647..8748, 8825..9003, 9082..9270, 9345..9448, 9599..9711, 9785..10224		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86457	Strand	+
Start	21983	End	33415
Name	OJ000302_04.0410.C5.o4.np	Method	AAT/NAP
Start	21983	End	33415
GI	7106516	Score	89

Exons	21983..22011, 26994..27038, 27701..27890, 33369..33415		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86457	Strand	+
Start	21983	End	33415
Name	OJ000302_04.0410.C5.o4.gs	Method	GENSCAN
Start	24389	End	27875
GI	none	Score	.5
Exons	24389..24608, 25390..25438, 25502..25614, 26234..26344, 27727..27875		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86457	Strand	+
Start	21983	End	33415
Name	OJ000302_04.0410.C5.o5.gs	Method	GENSCAN
Start	30082	End	31760
GI	none	Score	.47
Exons	30082..30412, 30616..31760		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86457	Strand	+
Start	21983	End	33415
Name	OJ000302_04.0410.C5.o6.np	Method	AAT/NAP
Start	30112	End	31553
GI	7488857	Score	312
Exons	30112..30144, 30876..31553		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86457	Strand	+
Start	21983	End	33415
Name	OJ000302_04.0410.C5.o6.gs	Method	GENSCAN
Start	32390	End	32626
GI	none	Score	.92
Exons	32390..32626		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86458	Strand	-
Start	2549	End	3097
Name	OJ000302_04.0410.C5.o1.np	Method	AAT/NAP
Start	2549	End	3097
GI	6630700	Score	638
Exons	2549..2781, 2807..3097		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86459	Strand	-
Start	10599	End	16689
Name	OJ000302_04.0410.C5.o3.np	Method	AAT/NAP
Start	10599	End	16689
GI	5922631	Score	6719

Exons	10599..13124, 13730..14657, 14786..14936, 14979..15555, 15601..15802, 16061..16306, 16565..16689
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o9.tw	Method	TBLASTX:Wheat
Start	7425	End	7718
GI	none	Score	211
Exons	7425..7718		

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o3.tw	Method	TBLASTX:Wheat
Start	10575	End	11189
GI	none	Score	83
Exons	10575..10712, 10698..11189, 10927..11034, 11083..11169		

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	10614	End	10868
GI	none	Score	90
Exons	10614..10715, 10615..10716, 10695..10868		

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	10959	End	11232
GI	none	Score	44
Exons	10959..11045, 11058..11138, 11068..11139, 11133..11231, 11134..11232		

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o5.tw	Method	TBLASTX:Wheat
Start	11196	End	11558
GI	none	Score	200
Exons	11196..11558, 11212..11553, 11304..11558		

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	11365	End	11694
GI	none	Score	233

Exons	11365..11646, 11373..11648, 11644..11694		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o8.tw	Method	TBLASTX:Wheat
Start	11650	End	11991
GI	none	Score	64
Exons	11650..11790, 11848..11958, 11857..11991		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o7.tm	Method	TBLASTX:Maize
Start	11923	End	12177
GI	none	Score	185
Exons	11923..12177		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o4.tw	Method	TBLASTX:Wheat
Start	12007	End	12429
GI	none	Score	230
Exons	12007..12429, 12083..12424		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	12050	End	12438
GI	none	Score	150
Exons	12050..12430, 12052..12294, 12334..12438		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o7.tw	Method	TBLASTX:Wheat
Start	12433	End	12714
GI	none	Score	89
Exons	12433..12714, 12445..12705		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	12553	End	12997
GI	none	Score	53
Exons	12553..12579, 12577..12720, 12589..12723, 12742..12996, 12743..12997		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	12664	End	13095
GI	none	Score	125

Exons	12664..13095, 12698..13048		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	12719	End	13143
GI	none	Score	266
Exons	12719..13099, 12724..13143		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	13228	End	13548
GI	none	Score	200
Exons	13228..13548, 13238..13543		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	13258	End	13713
GI	none	Score	191
Exons	13258..13560, 13259..13558, 13557..13712, 13588..13713		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o6.tm	Method	TBLASTX:Maize
Start	13905	End	14082
GI	none	Score	84
Exons	13905..14081, 13935..14081, 13936..14082		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o6.tw	Method	TBLASTX:Wheat
Start	13933	End	14391
GI	none	Score	149
Exons	13933..14169, 13935..14165, 14214..14294, 14296..14391		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o10.tw	Method	TBLASTX:Wheat
Start	15079	End	15402
GI	none	Score	119
Exons	15079..15402, 15104..15373		
Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86460	Strand	-
Start	28298	End	29619
Name	OJ000302_04.0410.C5.o5.np	Method	AAT/NAP
Start	28298	End	29619
GI	7228450	Score	195
Exons	28298..28415, 28486..28623, 28757..28857, 29517..29619		

GI Descrip. (AP001366) hypothetical protein [Oryza sativa]

Seq. No.	41653	Seq. ID	OJ000302_04.0410.C5
Gene No.	86461	Strand	
Start	30864	End	31244
Name	OJ000302_04.0410.C5.o11.tw	Method	TBLASTX:Wheat
Start	30864	End	31244
GI	none	Score	112
Exons	30864..31016, 31059..31244, 31130..31243		

Seq. No.	41654	Seq. ID	OJ000302_04.0410.C6
Gene No.	86462	Strand	-
Start	4834	End	5352
Name	OJ000302_04.0410.C6.o2.gs	Method	GENSCAN
Start	4834	End	5352
GI	none	Score	.74
Exons	4834..4929, 5229..5352		

Seq. No.	41655	Seq. ID	OJ000302_04.0410.C7
Gene No.	86463	Strand	+
Start	618	End	1180
Name	OJ000302_04.0410.C7.o1.gs	Method	GENSCAN
Start	618	End	1180
GI	none	Score	.7
Exons	618..800, 1061..1180		

Seq. No.	41655	Seq. ID	OJ000302_04.0410.C7
Gene No.	86464	Strand	-
Start	648	End	6439
Name	OJ000302_04.0410.C7.o1.gp	Method	AAT/GAP
Start	648	End	6439
GI	23232_1.R1084	Score	1040
Exons	648..866, 1033..1109, 6168..6439		
GI Descrip.	'4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	41655	Seq. ID	OJ000302_04.0410.C7
Gene No.	86465	Strand	-
Start	6403	End	7577
Name	OJ000302_04.0410.C7.o3.gs	Method	GENSCAN
Start	6403	End	7577
GI	none	Score	.49
Exons	6403..6560, 7460..7577		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86466	Strand	+
Start	8320	End	14557
Name	OJ000302_04.0410.C9.o3.gs	Method	GENSCAN
Start	8320	End	13059
GI	none	Score	.58
Exons	8320..8444, 10846..11047, 12004..12107, 12363..12467, 12699..13059		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86466	Strand	+
Start	8320	End	14557
Name	OJ000302_04.0410.C9.o1.np	Method	AAT/NAP

Start	8429	End	10977
GI	7363269	Score	124
Exons	8429..8463, 10692..10977		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86466	Strand	+
Start	8320	End	14557
Name	OJ000302_04.0410.C9.o2.np	Method	AAT/NAP
Start	10949	End	11107
GI	2129651	Score	75
Exons	10949..11107		
GI Descrip.	myosin heavy chain ATM2 - Arabidopsis thaliana (fragment) gi|499045|emb|CAA84065.1| (Z34292) myosin [Arabidopsis thaliana]		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86466	Strand	+
Start	8320	End	14557
Name	OJ000302_04.0410.C9.o3.np	Method	AAT/NAP
Start	12322	End	14557
GI	5295951	Score	182
Exons	12322..12563, 12931..13144, 14385..14557		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86467	Strand	-
Start	4176	End	4633
Name	OJ000302_04.0410.C9.o1.gp	Method	AAT/GAP
Start	4176	End	4633
GI	LIB3432-059-P1-K1-D8	Score	723
Exons	4176..4633		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86468	Strand	-
Start	6222	End	6422
Name	OJ000302_04.0410.C9.o2.gs	Method	GENSCAN
Start	6222	End	6422
GI	none	Score	.97
Exons	6222..6422		

Seq. No.	41656	Seq. ID	OJ000302_04.0410.C9
Gene No.	86469	Strand	-
Start	13570	End	16848
Name	OJ000302_04.0410.C9.o4.gs	Method	GENSCAN
Start	13570	End	16848
GI	none	Score	.66
Exons	13570..13932, 13994..14172, 14263..14658, 16768..16848		

Seq. No.	41657	Seq. ID	OJ000302_04.0410.C10
Gene No.	86470	Strand	+
Start	185	End	4623
Name	OJ000302_04.0410.C10.o1.gs	Method	GENSCAN
Start	185	End	4623
GI	none	Score	.75

Exons	185..370, 452..604, 1094..1134, 2794..3006, 3174..3271, 3518..3742, 4509..4623		
Seq. No.	41657	Seq. ID	OJ000302_04.0410.C10
Gene No.	86470	Strand	+
Start	185	End	4623
Name	OJ000302_04.0410.C10.o1.np	Method	AAT/NAP
Start	452	End	573
GI	6815052	Score	88
Exons	452..573		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	41657	Seq. ID	OJ000302_04.0410.C10
Gene No.	86471	Strand	-
Start	5934	End	6358
Name	OJ000302_04.0410.C10.o2.gs	Method	GENSCAN
Start	5934	End	6358
GI	none	Score	.53
Exons	5934..5971, 6011..6132, 6184..6358		
Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86472	Strand	+
Start	257	End	2940
Name	OJ000302_04.0410.C11.o1.gs	Method	GENSCAN
Start	257	End	2940
GI	none	Score	.73
Exons	257..658, 770..1529, 2636..2940		
Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86472	Strand	+
Start	257	End	2940
Name	OJ000302_04.0410.C11.o1.np	Method	AAT/NAP
Start	358	End	869
GI	7438357	Score	467
Exons	358..658, 770..869		
GI Descrip.	myb-related protein 3 homolog T26B15.2 - Arabidopsis thaliana gi|3298534|gb|AAC25928.1| (AC004681) putative MYB family transcription factor [Arabidopsis thaliana]		
Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86473	Strand	-
Start	4187	End	5617
Name	OJ000302_04.0410.C11.o2.gs	Method	GENSCAN
Start	4187	End	5617
GI	none	Score	.91
Exons	4187..4275, 5575..5617		
Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86474	Strand	-
Start	7364	End	8956
Name	OJ000302_04.0410.C11.o1.ts	Method	TBLASTX:Soybean
Start	401	End	829
GI	none	Score	295
Exons	401..667, 752..829		
Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86474	Strand	-

Start	7364	End	8956
Name	OJ000302_04.0410.C11.o1.tc	Method	TBLASTX:Cress
Start	406	End	838
GI	none	Score	387
Exons	406..522, 407..655, 571..654, 767..838, 769..819		

Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86474	Strand	-
Start	7364	End	8956
Name	OJ000302_04.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	407	End	865
GI	none	Score	268
Exons	407..589, 409..426, 481..522, 569..661, 574..651, 770..865, 772..864		

Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86474	Strand	-
Start	7364	End	8956
Name	OJ000302_04.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	413	End	829
GI	none	Score	268
Exons	413..661, 574..651, 748..825, 752..829		

Seq. No.	41658	Seq. ID	OJ000302_04.0410.C11
Gene No.	86474	Strand	-
Start	7364	End	8956
Name	OJ000302_04.0410.C11.o3.gs	Method	GENSCAN
Start	7364	End	8956
GI	none	Score	.7
Exons	7364..7375, 7650..7744, 8836..8956		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	1161	End	1679
GI	none	Score	291
Exons	1161..1481, 1171..1677, 1171..1563, 1173..1676, 1527..1679, 1604..1678		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	1170	End	1455
GI	none	Score	279
Exons	1170..1349, 1177..1455, 1398..1454		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	1177	End	1910
GI	none	Score	396
Exons	1177..1674, 1185..1349, 1327..1521, 1398..1700, 1774..1896, 1806..1910		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o1.np	Method	AAT/NAP
Start	1179	End	2475
GI	2388583	Score	1083
Exons	1179..2475		
GI Descrip.	(AC000098) Similar to Synechocystis hypothetical protein (gb|D90908). [Arabidopsis thaliana]		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o1.gp	Method	AAT/GAP
Start	1260	End	1678
GI	uC-osflcyp030d12b1	Score	823
Exons	1260..1678		
GI Descrip.	'3298536 3.0e-39 (AC004681) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o2.ts	Method	TBLASTX:Soybean
Start	1488	End	1907
GI	none	Score	93
Exons	1488..1697, 1498..1689, 1747..1896, 1806..1907		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	1604	End	2165
GI	none	Score	56
Exons	1604..1738, 1746..1799, 1746..1985, 1747..1983, 2079..2165		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o2.tc	Method	TBLASTX:Cress
Start	1923	End	2222
GI	none	Score	171
Exons	1923..1985, 2079..2222		

Seq. No.	41659	Seq. ID	OJ000302_04.0410.C12
Gene No.	86475	Strand	-
Start	1179	End	2475
Name	OJ000302_04.0410.C12.o2.gp	Method	AAT/GAP
Start	2095	End	2413
GI	LIB3474-012-P1-K1-C11	Score	553
Exons	2095..2413		
GI Descrip.	'3298536 6.0e-10 (AC004681) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86476	Strand	+
Start	1894	End	5814

Name	OJ000302_04.0410.C13.o1.gs	Method	GENSCAN
Start	1894	End	5814
GI	none	Score	.55
Exons	1894..2250, 2687..5263, 5495..5539, 5626..5814		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86477	Strand	+
Start	10008	End	13772
Name	OJ000302_04.0410.C13.o3.gs	Method	GENSCAN
Start	10008	End	13772
GI	none	Score	.74
Exons	10008..10092, 10292..10355, 10389..10464, 10728..10939, 11036..11227, 11280..11494, 11575..11699, 11811..11984, 12018..12076, 12147..12779, 13024..13169, 13255..13772		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86477	Strand	+
Start	10008	End	13772
Name	OJ000302_04.0410.C13.o3.np	Method	AAT/NAP
Start	10779	End	12789
GI	6721558	Score	221
Exons	10779..10878, 11575..11718, 12603..12789		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86477	Strand	+
Start	10008	End	13772
Name	OJ000302_04.0410.C13.o4.np	Method	AAT/NAP
Start	10862	End	12908
GI	6721561	Score	984
Exons	10862..10930, 11766..11945, 12018..12076, 12147..12908		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86478	Strand	-
Start	6318	End	10330
Name	OJ000302_04.0410.C13.o2.gs	Method	GENSCAN
Start	6318	End	9897
GI	none	Score	.83
Exons	6318..6396, 6945..6991, 7289..7602, 7682..7804, 8668..8805, 9054..9147, 9805..9897		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86478	Strand	-
Start	6318	End	10330
Name	OJ000302_04.0410.C13.o1.gp	Method	AAT/GAP
Start	6809	End	8812
GI	5667274	Score	1096
Exons	6809..6860, 6945..6991, 7289..7602, 7682..7804, 8668..8812		
GI Descrip.	6056425/gb|AAF02889.1|AC009525_23 3.0e-64 (AC009525) Putative ribosomal protein L19 [Arabidopsis thaliana]		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86478	Strand	-
Start	6318	End	10330
Name	OJ000302_04.0410.C13.o1.np	Method	AAT/NAP
Start	6908	End	8779
GI	6056425	Score	750
Exons	6908..7000, 7289..7602, 7682..7804, 8668..8779		
GI Descrip.	(AC009525) Putative ribosomal protein L19 [Arabidopsis thaliana]		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86478	Strand	-
Start	6318	End	10330
Name	OJ000302_04.0410.C13.o2.np	Method	AAT/NAP
Start	8144	End	10330
GI	7523517	Score	160
Exons	8144..8193, 9827..9881, 10025..10330		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o2.tc	Method	TBLASTX:Cress
Start	2963	End	4261
GI	none	Score	115
Exons	2963..3160, 3161..3232, 3347..3424, 3434..3559, 3566..3727, 4172..4261		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o4.ts	Method	TBLASTX:Soybean
Start	2977	End	3451
GI	none	Score	62
Exons	2977..3036, 2978..3037, 3043..3111, 3044..3127, 3152..3256, 3190..3231, 3275..3451		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o5.tm	Method	TBLASTX:Maize
Start	3347	End	3771
GI	none	Score	261
Exons	3347..3769, 3592..3771		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o2.ts	Method	TBLASTX:Soybean
Start	3455	End	4651
GI	none	Score	241
Exons	3455..3733, 3455..3574, 3565..3738, 3835..3909, 3836..3934, 4130..4324, 4343..4477, 4499..4651		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439

Name	OJ000302_04.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	7261	End	8780
GI	none	Score	389
Exons	7261..7602, 7287..7601, 7289..7603, 7362..7604, 7660..7800, 7680..7802, 7680..7802, 8660..8779, 8661..8780		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o2.tw	Method	TBLASTX:Wheat
Start	7276	End	8792
GI	none	Score	398
Exons	7276..7602, 7287..7601, 7289..7603, 7362..7604, 7660..7800, 7680..7802, 7681..7803, 8656..8706, 8660..8791, 8661..8792		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	7289	End	8949
GI	none	Score	195
Exons	7289..7603, 7336..7500, 7362..7604, 7680..7832, 7681..7800, 8660..8785, 8661..8789, 8893..8949		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	7289	End	8780
GI	none	Score	231
Exons	7289..7603, 7336..7602, 7362..7604, 7660..7800, 7680..7802, 7681..7803, 8660..8779, 8661..8780		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o5.np	Method	AAT/NAP
Start	14390	End	17509
GI	5902445	Score	3092
Exons	14390..15631, 15671..17509		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o4.tw	Method	TBLASTX:Wheat
Start	14399	End	15007
GI	none	Score	68
Exons	14399..14530, 14412..14525, 14555..15007, 14751..14858, 14907..14993		

Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o5.tw	Method	TBLASTX:Wheat
Start	15131	End	15514
GI	none	Score	202

Exons	15131..15514, 15132..15506		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o3.tm	Method	TBLASTX:Maize
Start	15209	End	15514
GI	none	Score	182
Exons	15209..15514, 15210..15497		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o8.tw	Method	TBLASTX:Wheat
Start	15719	End	15973
GI	none	Score	75
Exons	15719..15973, 15723..15971		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o6.tw	Method	TBLASTX:Wheat
Start	16016	End	16424
GI	none	Score	49
Exons	16016..16081, 16016..16189, 16197..16424, 16199..16423		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o3.ts	Method	TBLASTX:Soybean
Start	16514	End	16939
GI	none	Score	71
Exons	16514..16939, 16755..16907		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o6.np	Method	AAT/NAP
Start	16548	End	20439
GI	5902444	Score	486
Exons	16548..16628, 17911..18955, 19256..19354, 20178..20439		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o3.tw	Method	TBLASTX:Wheat
Start	16569	End	16993
GI	none	Score	270
Exons	16569..16946, 16571..16993, 16604..16948, 16852..16953		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o4.tm	Method	TBLASTX:Maize
Start	16667	End	17050
GI	none	Score	124

Exons	16667..17050, 16668..16946		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	17078	End	17434
GI	none	Score	234
Exons	17078..17434, 17079..17393		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	17108	End	17563
GI	none	Score	352
Exons	17108..17560, 17109..17549, 17123..17563		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o5.ts	Method	TBLASTX:Soybean
Start	17159	End	17524
GI	none	Score	97
Exons	17159..17293, 17300..17524		
Seq. No.	41660	Seq. ID	OJ000302_04.0410.C13
Gene No.	86479	Strand	-
Start	14390	End	20439
Name	OJ000302_04.0410.C13.o7.tw	Method	TBLASTX:Wheat
Start	18478	End	18876
GI	none	Score	250
Exons	18478..18876		
Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86480	Strand	+
Start	4435	End	5332
Name	OJ000322_08.0413.C4.o1.gp	Method	AAT/GAP
Start	4435	End	5332
GI	3542_1.R1084	Score	1704
Exons	4435..5332		
GI Descrip.	'1172874/sp|Q08298|RD22_ARATH 1.0e-24 DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR >gi_479589_pir__S34823 dehydration-induced protein RD22 - Arabidopsis thaliana >gi_391608_dbj_BAA01546_ (D10703) rd22 [Arabidopsis thaliana] >gi_447134_prf__1913421A rd22 gene [Arabidopsis thaliana]'		
Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86481	Strand	+
Start	5598	End	5707
Name	OJ000322_08.0413.C4.o2.gp	Method	AAT/GAP
Start	5598	End	5707
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	5598..5707		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86482	Strand	+
Start	10701	End	11252
Name	OJ000322_08.0413.C4.o4.gp	Method	AAT/GAP
Start	10701	End	11252
GI	uC-osroM202037g07b1	Score	658
Exons	10701..11050, 11229..11252		
GI Descrip.	'1172874/sp|Q08298|RD22_ARATH 1.0e-15 DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR >gi_479589_pir__S34823 dehydration-induced protein RD22 - Arabidopsis thaliana >gi_391608_dbj_BAA01546_ (D10703) rd22 [Arabidopsis thaliana] >gi_447134_prf__1913421A rd22 gene [Arabidopsis thaliana]'		

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86483	Strand	-
Start	2764	End	6089
Name	OJ000322_08.0413.C4.o2.gs	Method	GENSCAN
Start	2764	End	6089
GI	none	Score	.65
Exons	2764..2913, 3728..3982, 4534..4683, 4735..5550, 6054..6089		

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86483	Strand	-
Start	2764	End	6089
Name	OJ000322_08.0413.C4.o1.np	Method	AAT/NAP
Start	4726	End	5437
GI	1172874	Score	331
Exons	4726..5437		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi|479589|pir||S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene [Arabidopsis thaliana]		

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86484	Strand	-
Start	6052	End	6141
Name	OJ000322_08.0413.C4.o3.gp	Method	AAT/GAP
Start	6052	End	6141
GI	2280677	Score	156
Exons	6052..6141		

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86485	Strand	-
Start	7331	End	8320
Name	OJ000322_08.0413.C4.o3.gs	Method	GENSCAN
Start	7331	End	8320
GI	none	Score	.41
Exons	7331..7507, 8189..8320		

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86486	Strand	-
Start	10503	End	12711
Name	OJ000322_08.0413.C4.o1.tm	Method	TBLASTX:Maize
Start	4717	End	11080
GI	none	Score	75

Exons 4717..4803, 4729..4809, 4831..4908, 4909..4971, 4924..4980, 5035..5157, 5036..5134, 5161..5328, 5180..5284, 10524..10604, 10525..10593, 10704..10766, 10705..10767, 10800..10958, 10825..10959, 10959..11036, 10988..11080

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86486	Strand	-
Start	10503	End	12711
Name	OJ000322_08.0413.C4.o1.ts	Method	TBLASTX:Soybean
Start	4732	End	11251
GI	none	Score	77

Exons 4732..4809, 4840..4908, 4924..4971, 5042..5137, 5044..5136, 5161..5331, 5332..5409, 5443..5505, 10527..10604, 10710..10757, 10786..10959, 10830..10958, 10979..11083, 11084..11143, 11189..11251

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86486	Strand	-
Start	10503	End	12711
Name	OJ000322_08.0413.C4.o1.tc	Method	TBLASTX:Cress
Start	4735	End	10959
GI	none	Score	81

Exons 4735..4809, 4846..4905, 4924..5031, 4999..5139, 5033..5137, 5161..5316, 5180..5287, 5338..5409, 5446..5511, 10530..10604, 10710..10820, 10750..10821, 10831..10959, 10836..10958

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86486	Strand	-
Start	10503	End	12711
Name	OJ000322_08.0413.C4.o1.tw	Method	TBLASTX:Wheat
Start	5035	End	11077
GI	none	Score	79

Exons 5035..5157, 5036..5134, 5161..5325, 5180..5284, 10824..10958, 10825..10959, 10959..11036, 10988..11077

Seq. No.	41661	Seq. ID	OJ000322_08.0413.C4
Gene No.	86486	Strand	-
Start	10503	End	12711
Name	OJ000322_08.0413.C4.o2.np	Method	AAT/NAP
Start	10503	End	12711
GI	5257263	Score	290

Exons 10503..11215, 12686..12711

GI Descrip. (AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o1.np	Method	AAT/NAP
Start	1	End	1151
GI	6691191	Score	1116

Exons 1..1151

GI Descrip. (AC007534) F7F22.15 [Arabidopsis thaliana]

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-

Start	1	End	1151
Name	OJ000322_08.0413.C5.o1.tc	Method	TBLASTX:Cress
Start	4	End	309
GI	none	Score	58
Exons	4..228, 14..229, 232..309		

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o2.tw	Method	TBLASTX:Wheat
Start	22	End	492
GI	none	Score	67
Exons	22..225, 50..217, 292..492, 307..489, 323..490		

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o2.ts	Method	TBLASTX:Soybean
Start	348	End	486
GI	none	Score	123
Exons	348..443, 352..486, 359..472, 370..486		

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o1.tw	Method	TBLASTX:Wheat
Start	505	End	903
GI	none	Score	153
Exons	505..903, 508..807, 632..895		

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o1.tm	Method	TBLASTX:Maize
Start	529	End	1077
GI	none	Score	125
Exons	529..672, 664..1077, 671..985		

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o1.ts	Method	TBLASTX:Soybean
Start	598	End	951
GI	none	Score	51
Exons	598..825, 598..885, 653..886, 857..943, 886..951		

Seq. No.	41662	Seq. ID	OJ000322_08.0413.C5
Gene No.	86487	Strand	-
Start	1	End	1151
Name	OJ000322_08.0413.C5.o3.tw	Method	TBLASTX:Wheat
Start	904	End	1138
GI	none	Score	131
Exons	904..1137, 904..1137, 905..1138		

Seq. No.	41663	Seq. ID	OJ000322_08.0413.C6
Gene No.	86488	Strand	-
Start	1	End	963

Name	OJ000322_08.0413.C6.o1.np	Method	AAT/NAP
Start	1	End	963
GI	6063557	Score	37
Exons	1..45, 671..795, 929..963		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	41663	Seq. ID	OJ000322_08.0413.C6
Gene No.	86488	Strand	-
Start	1	End	963
Name	OJ000322_08.0413.C6.o1.gs	Method	GENSCAN
Start	239	End	340
GI	none	Score	.44
Exons	239..340		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86489	Strand	+
Start	437	End	1348
Name	OJ000322_08.0413.C7.o1.gs	Method	GENSCAN
Start	437	End	1348
GI	none	Score	.43
Exons	437..899, 908..1083, 1109..1348		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86490	Strand	+
Start	6382	End	6580
Name	OJ000322_08.0413.C7.o2.np	Method	AAT/NAP
Start	6382	End	6580
GI	6539570	Score	73
Exons	6382..6580		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86491	Strand	-
Start	2536	End	7582
Name	OJ000322_08.0413.C7.o1.np	Method	AAT/NAP
Start	2536	End	6525
GI	4105798	Score	133
Exons	2536..2572, 4547..4591, 4682..4725, 4834..4926, 6492..6525		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86491	Strand	-
Start	2536	End	7582
Name	OJ000322_08.0413.C7.o3.gs	Method	GENSCAN
Start	4348	End	4937
GI	none	Score	.81
Exons	4348..4452, 4551..4725, 4834..4937		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86491	Strand	-
Start	2536	End	7582
Name	OJ000322_08.0413.C7.o1.gp	Method	AAT/GAP
Start	4551	End	4910
GI	18024_1.R1084	Score	223
Exons	4551..4591, 4682..4725, 4834..4910		
GI Descrip.	'4105798 4.0e-58 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86491	Strand	-
Start	2536	End	7582
Name	OJ000322_08.0413.C7.o4.gs	Method	GENSCAN
Start	6373	End	7582
GI	none	Score	.45
Exons	6373..6766, 7373..7582		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86492	Strand	-
Start	9458	End	9822
Name	OJ000322_08.0413.C7.o2.tm	Method	TBLASTX:Maize
Start	4493	End	4929
GI	none	Score	62
Exons	4493..4594, 4549..4593, 4681..4734, 4682..4735, 4805..4900, 4806..4907, 4825..4929		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86492	Strand	-
Start	9458	End	9822
Name	OJ000322_08.0413.C7.o1.ts	Method	TBLASTX:Soybean
Start	4549	End	4929
GI	none	Score	43
Exons	4549..4593, 4550..4597, 4681..4725, 4682..4756, 4828..4929, 4835..4903		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86492	Strand	-
Start	9458	End	9822
Name	OJ000322_08.0413.C7.o1.tm	Method	TBLASTX:Maize
Start	9259	End	9729
GI	none	Score	304
Exons	9259..9477, 9260..9631, 9697..9729		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86492	Strand	-
Start	9458	End	9822
Name	OJ000322_08.0413.C7.o1.tw	Method	TBLASTX:Wheat
Start	9458	End	9822
GI	none	Score	142
Exons	9458..9646, 9697..9822		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86492	Strand	-
Start	9458	End	9822
Name	OJ000322_08.0413.C7.o2.gp	Method	AAT/GAP
Start	9458	End	9520
GI	LIB3432-007-P1-K1-E2	Score	107
Exons	9458..9520		
GI Descrip.	'4468813/emb|CAB38214| 2.0e-10 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	41664	Seq. ID	OJ000322_08.0413.C7
Gene No.	86493	Strand	
Start	9901	End	10190
Name	OJ000322_08.0413.C7.o3.tm	Method	TBLASTX:Maize
Start	9901	End	10190

GI	none	Score	166
Exons	9901..10089, 9909..10061, 10119..10190		
Seq. No.	41665	Seq. ID	OJ000322_08.0413.C8
Gene No.	86494	Strand	+
Start	2440	End	4051
Name	OJ000322_08.0413.C8.o1.gs	Method	GENSCAN
Start	2440	End	4051
GI	none	Score	.57
Exons	2440..2600, 3620..3677, 3896..4051		
Seq. No.	41665	Seq. ID	OJ000322_08.0413.C8
Gene No.	86495	Strand	+
Start	4776	End	5395
Name	OJ000322_08.0413.C8.o1.gp	Method	AAT/GAP
Start	4776	End	5395
GI	24263_1.R1084	Score	904
Exons	4776..4926, 5062..5395		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	41665	Seq. ID	OJ000322_08.0413.C8
Gene No.	86495	Strand	+
Start	4776	End	5395
Name	OJ000322_08.0413.C8.o1.np	Method	AAT/NAP
Start	4812	End	5168
GI	6850855	Score	176
Exons	4812..4926, 5062..5168		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		
Seq. No.	41666	Seq. ID	OJ000322_08.0413.C9
Gene No.	86496	Strand	+
Start	1	End	6538
Name	OJ000322_08.0413.C9.o1.np	Method	AAT/NAP
Start	1	End	6538
GI	6330736	Score	22
Exons	1..24, 363..505, 3260..3430, 6498..6538		
GI Descrip.	(AB033060) KIAA1234 protein [Homo sapiens]		
Seq. No.	41666	Seq. ID	OJ000322_08.0413.C9
Gene No.	86497	Strand	-
Start	5042	End	6538
Name	OJ000322_08.0413.C9.o2.ts	Method	TBLASTX:Soybean
Start	4988	End	5482
GI	none	Score	102
Exons	4988..5200, 5315..5482		
Seq. No.	41666	Seq. ID	OJ000322_08.0413.C9
Gene No.	86497	Strand	-
Start	5042	End	6538
Name	OJ000322_08.0413.C9.o2.np	Method	AAT/NAP
Start	5042	End	6538
GI	7489501	Score	745
Exons	5042..6538		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	41666	Seq. ID	OJ000322_08.0413.C9
Gene No.	86497	Strand	-
Start	5042	End	6538
Name	OJ000322_08.0413.C9.o1.tm	Method	TBLASTX:Maize
Start	5745	End	6205
GI	none	Score	180
Exons	5745..6110, 5753..6205		

Seq. No.	41666	Seq. ID	OJ000322_08.0413.C9
Gene No.	86497	Strand	-
Start	5042	End	6538
Name	OJ000322_08.0413.C9.o1.ts	Method	TBLASTX:Soybean
Start	5819	End	6067
GI	4397495	Score	239
Exons	5819..6067		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	41667	Seq. ID	OJ000322_08.0413.C10
Gene No.	86498	Strand	+
Start	2348	End	4525
Name	OJ000322_08.0413.C10.o2.gs	Method	GENSCAN
Start	2348	End	4525
GI	none	Score	.65
Exons	2348..2350, 2864..3535, 4505..4525		

Seq. No.	41667	Seq. ID	OJ000322_08.0413.C10
Gene No.	86499	Strand	-
Start	172	End	448
Name	OJ000322_08.0413.C10.o1.gs	Method	GENSCAN
Start	172	End	448
GI	none	Score	.71
Exons	172..448		

Seq. No.	41667	Seq. ID	OJ000322_08.0413.C10
Gene No.	86500	Strand	-
Start	5790	End	7343
Name	OJ000322_08.0413.C10.o3.gs	Method	GENSCAN
Start	5790	End	7343
GI	none	Score	.66
Exons	5790..6224, 7314..7343		

Seq. No.	41668	Seq. ID	OJ000322_08.0413.C11
Gene No.	86501	Strand	+
Start	1	End	589
Name	OJ000322_08.0413.C11.o1.np	Method	AAT/NAP
Start	1	End	589
GI	7228450	Score	222
Exons	1..32, 101..162, 299..420, 476..589		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41668	Seq. ID	OJ000322_08.0413.C11
Gene No.	86502	Strand	+
Start	639	End	930
Name	OJ000322_08.0413.C11.o1.gs	Method	GENSCAN
Start	639	End	930

GI	none	Score	.63
Exons	639..930		

Seq. No.	41669	Seq. ID	OJ000322_08.0413.C12
Gene No.	86503	Strand	+
Start	1778	End	2473
Name	OJ000322_08.0413.C12.o1.np	Method	AAT/NAP
Start	1778	End	2473
GI	7488857	Score	231
Exons	1778..2473		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	41670	Seq. ID	OJ000322_08.0413.C13
Gene No.	86504	Strand	-
Start	4057	End	4953
Name	OJ000322_08.0413.C13.o2.gs	Method	GENSCAN
Start	4057	End	4953
GI	none	Score	.5
Exons	4057..4257, 4945..4953		

Seq. No.	41671	Seq. ID	OJ000322_08.0413.C14
Gene No.	86505	Strand	+
Start	67	End	574
Name	OJ000322_08.0413.C14.o1.gs	Method	GENSCAN
Start	67	End	574
GI	none	Score	.59
Exons	67..124, 300..574		

Seq. No.	41671	Seq. ID	OJ000322_08.0413.C14
Gene No.	86506	Strand	-
Start	2877	End	3185
Name	OJ000322_08.0413.C14.o2.gs	Method	GENSCAN
Start	2877	End	3185
GI	none	Score	.63
Exons	2877..2960, 3135..3185		

Seq. No.	41672	Seq. ID	OJ000322_08.0413.C15
Gene No.	86507	Strand	-
Start	695	End	2572
Name	OJ000322_08.0413.C15.o1.gs	Method	GENSCAN
Start	695	End	2572
GI	none	Score	.81
Exons	695..802, 1650..1676, 2113..2273, 2524..2572		

Seq. No.	41672	Seq. ID	OJ000322_08.0413.C15
Gene No.	86507	Strand	-
Start	695	End	2572
Name	OJ000322_08.0413.C15.o1.gp	Method	AAT/GAP
Start	1895	End	2418
GI	LIB3434-038-P1-K1-F1	Score	770
Exons	1895..2418		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41673	Seq. ID	OJ000322_08.0413.C17

Gene No.	86508	Strand	+
Start	1760	End	3141
Name	OJ000322_08.0413.C17.o1.gs	Method	GENSCAN
Start	1760	End	3141
GI	none	Score	.53
Exons	1760..1846, 2271..2485, 2982..3141		

Seq. No.	41673	Seq. ID	OJ000322_08.0413.C17
Gene No.	86509	Strand	+
Start	4265	End	5593
Name	OJ000322_08.0413.C17.o1.tc	Method	TBLASTX:Cress
Start	4213	End	4674
GI	none	Score	163
Exons	4213..4401, 4268..4399, 4519..4674, 4562..4672		

Seq. No.	41673	Seq. ID	OJ000322_08.0413.C17
Gene No.	86509	Strand	+
Start	4265	End	5593
Name	OJ000322_08.0413.C17.o1.tm	Method	TBLASTX:Maize
Start	4224	End	5593
GI	none	Score	158
Exons	4224..4391, 4231..4401, 4233..4496, 4238..4399, 4516..4701, 4519..4701, 4536..4706, 4541..4705, 4562..4717, 4780..4986, 4782..4985, 4783..4986, 5407..5529, 5429..5593, 5432..5593		

Seq. No.	41673	Seq. ID	OJ000322_08.0413.C17
Gene No.	86509	Strand	+
Start	4265	End	5593
Name	OJ000322_08.0413.C17.o1.ts	Method	TBLASTX:Soybean
Start	4258	End	5578
GI	none	Score	174
Exons	4258..4401, 4262..4399, 4306..4401, 4516..4701, 4519..4701, 4541..4708, 4562..4720, 4780..4986, 4782..4982, 4783..4986, 5429..5566, 5432..5578, 5445..5570		

Seq. No.	41673	Seq. ID	OJ000322_08.0413.C17
Gene No.	86509	Strand	+
Start	4265	End	5593
Name	OJ000322_08.0413.C17.o1.np	Method	AAT/NAP
Start	4265	End	5587
GI	7485597	Score	807
Exons	4265..4394, 4521..4705, 4786..4986, 5432..5587		
GI Descrip.	hypothetical protein F17A8.160 - Arabidopsis thaliana gi|4538911|emb|CAB39648.1| (AL049482) hypothetical protein [Arabidopsis thaliana] gi|7267676|emb|CAB78104.1| (AL161515) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41673	Seq. ID	OJ000322_08.0413.C17
Gene No.	86509	Strand	+
Start	4265	End	5593
Name	OJ000322_08.0413.C17.o2.gs	Method	GENSCAN
Start	4265	End	5593
GI	none	Score	.82
Exons	4265..4394, 4521..4705, 4786..4986, 5432..5593		

Seq. No.	41674	Seq. ID	OJ000322_08.0413.C18
Gene No.	86510	Strand	+

Start	1	End	471
Name	OJ000322_08.0413.C18.o1.np	Method	AAT/NAP
Start	1	End	377
GI	7486049	Score	388
Exons	1..377		
GI Descrip.	hypothetical protein F23K16.20 - Arabidopsis thaliana gi|5042155|emb|CAB44674.1| (AL078620) putative protein [Arabidopsis thaliana] gi|7270923|emb|CAB80602.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	41674	Seq. ID	OJ000322_08.0413.C18
Gene No.	86510	Strand	+
Start	1	End	471
Name	OJ000322_08.0413.C18.o1.gs	Method	GENSCAN
Start	153	End	471
GI	none	Score	.67
Exons	153..374, 460..471		

Seq. No.	41674	Seq. ID	OJ000322_08.0413.C18
Gene No.	86511	Strand	+
Start	377	End	721
Name	OJ000322_08.0413.C18.o1.ts	Method	TBLASTX:Soybean
Start	16	End	394
GI	none	Score	187
Exons	16..204, 39..296, 44..319, 50..319, 54..362, 326..394		

Seq. No.	41674	Seq. ID	OJ000322_08.0413.C18
Gene No.	86511	Strand	+
Start	377	End	721
Name	OJ000322_08.0413.C18.o1.tm	Method	TBLASTX:Maize
Start	50	End	338
GI	none	Score	329
Exons	50..334, 50..337, 51..338, 51..338		

Seq. No.	41674	Seq. ID	OJ000322_08.0413.C18
Gene No.	86511	Strand	+
Start	377	End	721
Name	OJ000322_08.0413.C18.o1.tc	Method	TBLASTX:Cress
Start	95	End	380
GI	none	Score	281
Exons	95..334, 96..380		

Seq. No.	41674	Seq. ID	OJ000322_08.0413.C18
Gene No.	86511	Strand	+
Start	377	End	721
Name	OJ000322_08.0413.C18.o1.gp	Method	AAT/GAP
Start	377	End	721
GI	none	Score	690
Exons	377..721		

Seq. No.	41675	Seq. ID	OJ000322_08.0413.C19
Gene No.	86512	Strand	-
Start	1	End	1936
Name	OJ000322_08.0413.C19.o1.np	Method	AAT/NAP
Start	1	End	1936
GI	4680183	Score	109
Exons	1..66, 1614..1936		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	41675	Seq. ID	OJ000322_08.0413.C19
Gene No.	86512	Strand	-
Start	1	End	1936
Name	OJ000322_08.0413.C19.o1.gs	Method	GENSCAN
Start	1721	End	1844
GI	none	Score	.66
Exons	1721..1844		

Seq. No.	41676	Seq. ID	OJ000322_08.0413.C20
Gene No.	86513	Strand	+
Start	4242	End	5105
Name	OJ000322_08.0413.C20.o2.gs	Method	GENSCAN
Start	4242	End	5105
GI	none	Score	.82
Exons	4242..5105		

Seq. No.	41676	Seq. ID	OJ000322_08.0413.C20
Gene No.	86514	Strand	-
Start	1	End	3156
Name	OJ000322_08.0413.C20.o1.np	Method	AAT/NAP
Start	1	End	1627
GI	4680183	Score	501
Exons	1..1627		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	41676	Seq. ID	OJ000322_08.0413.C20
Gene No.	86514	Strand	-
Start	1	End	3156
Name	OJ000322_08.0413.C20.o2.np	Method	AAT/NAP
Start	1	End	1627
GI	5902444	Score	504
Exons	1..1627		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41676	Seq. ID	OJ000322_08.0413.C20
Gene No.	86514	Strand	-
Start	1	End	3156
Name	OJ000322_08.0413.C20.o1.gs	Method	GENSCAN
Start	22	End	3156
GI	none	Score	.67
Exons	22..401, 435..804, 826..913, 1035..1232, 1494..1583, 2772..2856, 3060..3156		

Seq. No.	41677	Seq. ID	OJ000322_08.0413.C21
Gene No.	86515	Strand	+
Start	1	End	616
Name	OJ000322_08.0413.C21.o1.np	Method	AAT/NAP
Start	1	End	558
GI	6691191	Score	351
Exons	1..558		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	41677	Seq. ID	OJ000322_08.0413.C21
Gene No.	86515	Strand	+
Start	1	End	616

Name	OJ000322_08.0413.C21.o1.tw	Method	TBLASTX:Wheat
Start	8	End	356
GI	none	Score	320
Exons	8..193, 51..356, 51..299		

Seq. No.	41677	Seq. ID	OJ000322_08.0413.C21
Gene No.	86515	Strand	+
Start	1	End	616
Name	OJ000322_08.0413.C21.o1.ts	Method	TBLASTX:Soybean
Start	38	End	463
GI	none	Score	72
Exons	38..217, 43..159, 50..346, 51..356, 51..275, 374..463		

Seq. No.	41677	Seq. ID	OJ000322_08.0413.C21
Gene No.	86515	Strand	+
Start	1	End	616
Name	OJ000322_08.0413.C21.o1.gs	Method	GENSCAN
Start	299	End	616
GI	none	Score	.62
Exons	299..458, 597..616		

Seq. No.	41678	Seq. ID	OJ000302_08.0410.C1
Gene No.	86516	Strand	-
Start	18	End	147
Name	OJ000302_08.0410.C1.o1.gs	Method	GENSCAN
Start	18	End	147
GI	none	Score	.99
Exons	18..147		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86517	Strand	+
Start	908	End	1060
Name	OJ000302_08.0410.C5.o1.gs	Method	GENSCAN
Start	908	End	1060
GI	none	Score	.88
Exons	908..1060		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86518	Strand	+
Start	9022	End	9986
Name	OJ000302_08.0410.C5.o3.gs	Method	GENSCAN
Start	9022	End	9614
GI	none	Score	.87
Exons	9022..9614		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86518	Strand	+
Start	9022	End	9986
Name	OJ000302_08.0410.C5.o1.np	Method	AAT/NAP
Start	9046	End	9986
GI	5931655	Score	231
Exons	9046..9312, 9436..9614, 9910..9986		
GI Descrip.	(AJ011629) squamosa promoter binding protein-like 1 [Arabidopsis thaliana]		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86518	Strand	+

Start	9022	End	9986
Name	OJ000302_08.0410.C5.o2.gp	Method	AAT/GAP
Start	9423	End	9575
GI	2427896	Score	281
Exons	9423..9575		
GI Descrip.	6006395/emb|CAB56768.1| 1.0e-10 (AJ132096) squamosa promoter binding protein-like 12 [Arabidopsis thaliana] >gi_6006403_emb_CAB56769.1_ (AJ132097) squamosa promoter binding protein-like 12 [Arabidopsis thaliana]		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86519	Strand	-
Start	2128	End	6038
Name	OJ000302_08.0410.C5.o2.gs	Method	GENSCAN
Start	2128	End	6038
GI	none	Score	.56
Exons	2128..2253, 3127..3251, 3693..3825, 3872..4050, 5452..5518, 6000..6038		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86520	Strand	
Start	9103	End	9683
Name	OJ000302_08.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	9103	End	9617
GI	none	Score	88
Exons	9103..9165, 9423..9617, 9427..9615		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86520	Strand	
Start	9103	End	9683
Name	OJ000302_08.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	9336	End	9683
GI	none	Score	204
Exons	9336..9530, 9337..9531, 9337..9537, 9515..9613, 9531..9683, 9532..9615, 9534..9620		

Seq. No.	41679	Seq. ID	OJ000302_08.0410.C5
Gene No.	86520	Strand	
Start	9103	End	9683
Name	OJ000302_08.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	9463	End	9617
GI	none	Score	217
Exons	9463..9615, 9465..9617		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86521	Strand	+
Start	1	End	5693
Name	OJ000302_08.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	5690
GI	5931653	Score	1085
Exons	1..39, 1222..1424, 1997..2158, 2308..2597, 3403..3477, 3551..3658, 3750..3867, 3969..4110, 4225..4363, 4451..5032, 5256..5690		
GI Descrip.	(AJ011628) squamosa promoter binding protein-like 1 [Arabidopsis thaliana]		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6

Gene No.	86521	Strand	+
Start	1	End	5693
Name	OJ000302_08.0410.C6.o1.gs	Method	GENSCAN
Start	1241	End	5693
GI	none	Score	.99
Exons	1241..1422, 1983..2285, 2368..2597, 3403..3477, 3551..3658, 3750..3867, 3969..4110, 4225..4363, 4451..5032, 5256..5693		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86521	Strand	+
Start	1	End	5693
Name	OJ000302_08.0410.C6.o2.gp	Method	AAT/GAP
Start	4680	End	5589
GI	10352_1.R1084	Score	1244
Exons	4680..5032, 5256..5589		
GI Descrip.	'5931653/emb|CAB56580.1| 2.0e-39 (AJ011628) squamosa promoter binding protein-like 1 [Arabidopsis thaliana]'		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86522	Strand	+
Start	11578	End	12457
Name	OJ000302_08.0410.C6.o4.gs	Method	GENSCAN
Start	11578	End	12457
GI	none	Score	.59
Exons	11578..11689, 11902..12051, 12321..12457		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86523	Strand	+
Start	17628	End	24557
Name	OJ000302_08.0410.C6.o5.gs	Method	GENSCAN
Start	17628	End	24557
GI	none	Score	.78
Exons	17628..18064, 18753..18821, 19040..19364, 20491..20649, 20736..20822, 20960..21031, 21661..21928, 23728..24557		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86523	Strand	+
Start	17628	End	24557
Name	OJ000302_08.0410.C6.o6.gp	Method	AAT/GAP
Start	17875	End	18413
GI	none	Score	1017
Exons	17875..18413		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86523	Strand	+
Start	17628	End	24557
Name	OJ000302_08.0410.C6.o4.np	Method	AAT/NAP
Start	18099	End	21942
GI	7487909	Score	616
Exons	18099..18419, 18692..18821, 18910..19364, 19468..19598, 19632..19691, 20491..20649, 20736..20822, 20960..21031, 21661..21942		
GI Descrip.	hypothetical protein YUP8H12R.35 - Arabidopsis thaliana gi|3152572|gb|AAC17053.1| (AC002986) Contains homology to DNAJ heatshock protein gb|U32803 from Haemophilus influenzae. [Arabidopsis thaliana]		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86523	Strand	+
Start	17628	End	24557
Name	OJ000302_08.0410.C6.o7.gp	Method	AAT/GAP
Start	19626	End	21931
GI	15715_1.R1084	Score	1251
Exons	19626..19730, 20491..20649, 20736..20822, 20960..21031, 21661..21931		
GI Descrip.	'3152572 3.0e-39 (AC002986) Contains homology to DNAJ heatshock protein gb_U32803 from Haemophilus influenzae. [Arabidopsis thaliana]'		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86524	Strand	-
Start	6376	End	10105
Name	OJ000302_08.0410.C6.o2.gs	Method	GENSCAN
Start	6376	End	9545
GI	none	Score	.81
Exons	6376..6428, 6694..6911, 7125..7290, 7440..7571, 7980..8037, 8536..8767, 8859..9155, 9242..9328, 9421..9545		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86524	Strand	-
Start	6376	End	10105
Name	OJ000302_08.0410.C6.o2.np	Method	AAT/NAP
Start	6674	End	10105
GI	4558557	Score	723
Exons	6674..6900, 7117..7263, 7440..7571, 7698..7784, 7980..8037, 8536..8767, 8859..9142, 10043..10105		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana] gi|7268572|emb|CAB80681.1| (AL161493) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86524	Strand	-
Start	6376	End	10105
Name	OJ000302_08.0410.C6.o3.gp	Method	AAT/GAP
Start	7612	End	8001
GI	uC-osflcyp058f04b1	Score	693
Exons	7612..8001		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86524	Strand	-
Start	6376	End	10105
Name	OJ000302_08.0410.C6.o4.gp	Method	AAT/GAP
Start	9021	End	9420
GI	428057	Score	595
Exons	9021..9155, 9242..9420		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86525	Strand	-
Start	10303	End	14489
Name	OJ000302_08.0410.C6.o3.gs	Method	GENSCAN
Start	10303	End	11085
GI	none	Score	.87

Exons	10303..11085		
Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86525	Strand	-
Start	10303	End	14489
Name	OJ000302_08.0410.C6.o3.np	Method	AAT/NAP
Start	10330	End	14489
GI	7431087	Score	655
Exons	10330..11090, 14459..14489		
GI Descrip.	hypothetical protein F14M4.3 - Arabidopsis thaliana gi|3522952|gb|AAC34234.1| (AC004411) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	1310	End	5708
GI	none	Score	74
Exons	1310..1420, 1313..1420, 1314..1436, 1320..1421, 1976..2164, 1983..2147, 1984..2163, 2161..2283, 2162..2284, 2171..2281, 2365..2595, 2365..2595, 2367..2597, 3389..3478, 3400..3480, 3402..3476, 3544..3657, 3548..3661, 3548..3658, 3550..3666, 3745..3867, 3747..3872, 3950..4123, 3958..4110, 3970..4143, 4222..4272, 4223..4303, 4224..4304, 4283..4369, 4309..4371, 4423..4569, 4448..4570, 4448..4579, 4524..4580, 4547..4657, 4571..4657, 4665..5030, 4665..4982, 4667..5035, 4673..5032, 5256..5624, 5256..5567, 5329..5586, 5525..5620, 5624..5692, 5625..5693, 5625..5708, 5626..5694		
Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	2540	End	5431
GI	none	Score	92
Exons	2540..2608, 3400..3480, 3405..3476, 3548..3661, 3548..3652, 3747..3872, 3764..3868, 3950..4126, 4292..4369, 4448..4552, 4505..4642, 4554..4643, 4676..4819, 4823..4888, 4913..5035, 4913..5035, 4914..5036, 5255..5431, 5256..5417		
Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o5.tc	Method	TBLASTX:Cress
Start	3399	End	3661
GI	none	Score	88
Exons	3399..3476, 3400..3480, 3548..3661, 3548..3655		
Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o4.tc	Method	TBLASTX:Cress
Start	4532	End	5693
GI	none	Score	57
Exons	4532..4633, 4670..4762, 4823..5026, 5565..5693		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o3.tc	Method	TBLASTX:Cress
Start	8536	End	8752
GI	none	Score	147
Exons	8536..8670, 8537..8671, 8686..8751, 8699..8752		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o6.tm	Method	TBLASTX:Maize
Start	8563	End	8984
GI	none	Score	123
Exons	8563..8667, 8564..8680, 8683..8784, 8684..8782, 8812..8964, 8852..8980, 8858..8983, 8859..8984		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o7.tm	Method	TBLASTX:Maize
Start	8985	End	9325
GI	none	Score	137
Exons	8985..9155, 9052..9156, 9244..9273, 9245..9274, 9286..9324, 9287..9325		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	10333	End	11089
GI	none	Score	133
Exons	10333..11088, 10619..10837, 11003..11089		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	10333	End	11088
GI	none	Score	82
Exons	10333..10455, 10516..10695, 10520..10696, 10702..10794, 10703..10792, 10819..10851, 10822..10926, 10972..11088, 11000..11083		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	10339	End	11089
GI	none	Score	95
Exons	10339..10416, 10384..10461, 10519..10926, 10622..10843, 10975..11088, 11003..11089		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o1.tw	Method	TBLASTX:Wheat

Start	10819	End	11089
GI	none	Score	83
Exons	10819..11088, 11000..11089		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o5.tm	Method	TBLASTX:Maize
Start	17621	End	18190
GI	none	Score	193
Exons	17621..17752, 17622..17858, 17623..17853, 17818..17964, 17876..17926, 17956..18129, 17963..18190, 17987..18112		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	19106	End	21926
GI	none	Score	337
Exons	19106..19372, 19107..19373, 19465..19557, 19465..19575, 19629..19709, 19633..19710, 20488..20649, 20490..20651, 20494..20649, 20735..20818, 20736..20822, 20935..21036, 20936..21091, 21654..21788, 21656..21826, 21657..21812, 21658..21819, 21793..21861, 21793..21897, 21813..21884, 21873..21926, 21875..21910		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	19167	End	21870
GI	none	Score	229
Exons	19167..19373, 19198..19365, 19199..19372, 19463..19552, 19465..19557, 19465..19566, 19629..19730, 19630..19731, 19633..19728, 20490..20672, 20494..20658, 20550..20675, 20722..20823, 20732..20824, 20736..20825, 20948..21031, 21652..21870, 21654..21716, 21717..21776, 21822..21857		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	23606	End	24455
GI	none	Score	112
Exons	23606..23632, 23649..23777, 23805..24017, 23809..24015, 24093..24191, 24171..24233, 24390..24455		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o5.np	Method	AAT/NAP
Start	23658	End	26198
GI	4558564	Score	600
Exons	23658..24527, 26178..26198		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o2.tc	Method	TBLASTX:Cress
Start	23667	End	24017
GI	none	Score	145
Exons	23667..23804, 23808..24017, 23824..24015		

Seq. No.	41680	Seq. ID	OJ000302_08.0410.C6
Gene No.	86526	Strand	-
Start	23658	End	26198
Name	OJ000302_08.0410.C6.o4.tm	Method	TBLASTX:Maize
Start	23667	End	24017
GI	none	Score	63
Exons	23667..23741, 23667..23777, 23805..24017, 23809..24012		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86527	Strand	+
Start	721	End	1572
Name	OJ000302_08.0410.C7.o1.gs	Method	GENSCAN
Start	721	End	1572
GI	none	Score	.7
Exons	721..1572		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86528	Strand	+
Start	6590	End	6916
Name	OJ000302_08.0410.C7.o1.gp	Method	AAT/GAP
Start	6590	End	6916
GI	4715217	Score	618
Exons	6590..6916		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86529	Strand	+
Start	22344	End	22782
Name	OJ000302_08.0410.C7.o4.gp	Method	AAT/GAP
Start	22344	End	22782
GI	none	Score	833
Exons	22344..22782		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86530	Strand	-
Start	1	End	1485
Name	OJ000302_08.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	1485
GI	4558564	Score	288
Exons	1..23, 907..1485		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o3.tc	Method	TBLASTX:Cress
Start	6909	End	11931
GI	none	Score	69
Exons	6909..7040, 6914..7045, 7207..7356, 7212..7355, 7504..7587,		

7511..7588, 7763..7834, 8071..8211, 8078..8194, 8469..8591,
8471..8602, 8920..9108, 8924..9109, 8954..9109, 9571..9669,
9580..9651, 10151..10246, 10152..10247, 10154..10285,
10188..10247, 10306..10431, 10336..10437, 10388..10447,
10401..10445, 10560..10610, 10565..10612, 11519..11602,
11524..11592, 11587..11697, 11609..11698, 11785..11931,
11789..11845

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o3.tm	Method	TBLASTX:Maize
Start	6921	End	10291
GI	none	Score	146
Exons	6921..7040, 6921..7040, 6926..7090, 6929..7042, 7209..7346, 7210..7356, 7212..7355, 7511..7588, 7511..7645, 7742..7837, 7763..7837, 8054..8149, 8061..8216, 8062..8217, 8071..8217, 8073..8261, 8471..8605, 8472..8606, 8521..8607, 8917..9108, 8921..9106, 8929..9108, 9571..9651, 9581..9649, 10133..10285, 10151..10291		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o3.ts	Method	TBLASTX:Soybean
Start	6923	End	7645
GI	none	Score	113
Exons	6923..7090, 6933..7025, 7209..7355, 7210..7356, 7210..7278, 7211..7354, 7212..7355, 7327..7398, 7511..7579, 7511..7645		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o2.gs	Method	GENSCAN
Start	6929	End	25665
GI	none	Score	.83
Exons	6929..7039, 7212..7353, 7509..7586, 7588..7668, 7761..7831, 8071..8205, 8471..8605, 8920..9105, 9580..9648, 10163..10245, 10339..10433, 10563..10609, 11524..11696, 11793..12072, 12142..12163, 12198..12347, 14370..14479, 14872..14982, 15097..15141, 15336..15474, 16544..16701, 18285..18419, 18495..18631, 18951..19116, 19675..19819, 19936..20008, 20380..20556, 20976..21212, 23025..23187, 24558..24794, 24898..25665		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o2.np	Method	AAT/NAP
Start	6932	End	11955
GI	2736186	Score	1492
Exons	6932..7039, 7212..7353, 7509..7586, 7761..7831, 8071..8205, 8471..8605, 8920..9105, 9580..9648, 10163..10245, 10339..10433, 10563..10609, 11524..11696, 11793..11955		
GI Descrip.	(AF024623) galactose kinase [Arabidopsis thaliana]		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7

Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o2.ts	Method	TBLASTX:Soybean
Start	7761	End	11931
GI	none	Score	71
Exons	7761..7829, 7763..7834, 8071..8211, 8078..8194, 8469..8606, 8469..8603, 8471..8605, 8912..9106, 8917..9108, 9571..9669, 9581..9649, 10151..10246, 10152..10247, 10152..10292, 10154..10285, 10337..10432, 10388..10447, 10539..10610, 10560..10610, 10562..10615, 11530..11565, 11582..11698, 11584..11697, 11785..11931		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o2.gp	Method	AAT/GAP
Start	10180	End	12071
GI	62664_1.R1084	Score	1097
Exons	10180..10247, 10340..10433, 10563..10609, 11524..11696, 11793..12071		
GI Descrip.	'2736186/gb|AAB94084.1| 4.0e-27 (AF024623) galactose kinase [Arabidopsis thaliana]'		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	10391	End	11931
GI	none	Score	52
Exons	10391..10447, 10393..10434, 10560..10610, 10562..10612, 10564..10611, 10565..10612, 11519..11698, 11522..11563, 11524..11751, 11524..11697, 11630..11698, 11783..11839, 11785..11931		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o6.tm	Method	TBLASTX:Maize
Start	14359	End	15064
GI	none	Score	161
Exons	14359..14514, 14364..14513, 14366..14515, 14372..14515, 14871..15005, 14872..15006, 14872..15000, 15013..15063, 15014..15064		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o4.tm	Method	TBLASTX:Maize
Start	15066	End	15654
GI	none	Score	76
Exons	15066..15149, 15070..15141, 15071..15151, 15299..15472, 15330..15473, 15337..15477, 15576..15632, 15578..15652, 15580..15654, 15580..15651		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678

Name	OJ000302_08.0410.C7.o5.tm	Method	TBLASTX:Maize
Start	16540	End	16731
GI	none	Score	216
Exons	16540..16731, 16540..16722, 16578..16730		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o3.gp	Method	AAT/GAP
Start	17688	End	17754
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	17688..17754		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o4.ts	Method	TBLASTX:Soybean
Start	18486	End	18799
GI	none	Score	98
Exons	18486..18629, 18492..18641, 18493..18642, 18654..18794, 18703..18795, 18705..18797, 18707..18799		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o3.np	Method	AAT/NAP
Start	22970	End	25678
GI	7329635	Score	804
Exons	22970..23187, 24558..24794, 24898..25265, 25344..25555, 25621..25678		
GI Descrip.	(AL132970) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o4.tc	Method	TBLASTX:Cress
Start	23020	End	23187
GI	none	Score	73
Exons	23020..23187, 23037..23186, 23038..23187		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	23026	End	25557
GI	none	Score	80
Exons	23026..23187, 24561..24800, 24571..24654, 24582..24779, 24895..25242, 25040..25237, 25345..25440, 25358..25480, 25427..25504, 25429..25557, 25441..25554		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678

Name	OJ000302_08.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	23044	End	25557
GI	none	Score	112
Exons	23044..23142, 23137..23187, 24562..24702, 24567..24812, 24567..24800, 24895..25260, 25040..25237, 25345..25425, 25423..25557		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	24561	End	25101
GI	none	Score	89
Exons	24561..24779, 24561..24800, 24895..25101, 24898..25089		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o5.gp	Method	AAT/GAP
Start	24886	End	25582
GI	uC-osroM202019b05a1	Score	1150
Exons	24886..25265, 25344..25582		
GI Descrip.	'4206122 6.0e-54 (AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]'		

Seq. No.	41681	Seq. ID	OJ000302_08.0410.C7
Gene No.	86531	Strand	-
Start	6929	End	25678
Name	OJ000302_08.0410.C7.o2.tc	Method	TBLASTX:Cress
Start	25102	End	25563
GI	none	Score	91
Exons	25102..25242, 25118..25243, 25345..25425, 25346..25426, 25444..25563		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86532	Strand	+
Start	1640	End	8403
Name	OJ000302_08.0410.C8.o1.gs	Method	GENSCAN
Start	1640	End	8403
GI	none	Score	.77
Exons	1640..1819, 2742..2797, 3476..3542, 4739..4954, 5054..5085, 5162..5250, 5860..5967, 6033..6258, 6352..6610, 7084..7131, 7266..7352, 7445..7502, 7601..7668, 7749..7844, 7934..7981, 8126..8170, 8245..8403		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86532	Strand	+
Start	1640	End	8403
Name	OJ000302_08.0410.C8.o1.np	Method	AAT/NAP
Start	1688	End	3711
GI	7543730	Score	309
Exons	1688..1819, 2742..2797, 3476..3542, 3622..3711		
GI Descrip.	(AC020580) unknown protein [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86532	Strand	+
Start	1640	End	8403

Name	OJ000302_08.0410.C8.o1.gp	Method	AAT/GAP
Start	2731	End	3931
GI	none	Score	786
Exons	2731..2797, 3476..3542, 3622..3931		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86532	Strand	+
Start	1640	End	8403
Name	OJ000302_08.0410.C8.o2.np	Method	AAT/NAP
Start	5148	End	8334
GI	1076791	Score	1549
Exons	5148..5250, 5860..5967, 6066..6258, 6352..6610, 6719..6775, 7084..7131, 7266..7352, 7445..7502, 7601..7668, 7749..7844, 7934..7981, 8126..8170, 8242..8334		
GI Descrip.	calcium-binding protein - maize gi|2119370|pir||S58170 Calreticulin precursor - maize gi|577612|emb|CAA86728| (Z46772) calcium-binding protein [Zea mays] gi|927572|emb|CAA61939| (X89813) Calreticulin precursor [Zea mays] gi|1587033|prf||2205314A calreticulin [Zea mays]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86532	Strand	+
Start	1640	End	8403
Name	OJ000302_08.0410.C8.o3.gp	Method	AAT/GAP
Start	6736	End	8284
GI	LIB3434-029-P1-K1-C5	Score	866
Exons	6736..6775, 7084..7131, 7266..7352, 7445..7502, 7601..7668, 7749..7844, 7934..7981, 8126..8170, 8245..8284		
GI Descrip.	'1076791/pir||S49818 9.0e-58 calcium-binding protein - maize >gi_2119370_pir__S58170 Calreticulin precursor - maize >gi_577612_emb_CAA86728_ (Z46772) calcium-binding protein [Zea mays] >gi_927572_emb_CAA61939_ (X89813) Calreticulin precursor [Zea mays] >gi_1587033_prf__2205314A calreticulin [Zea mays]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86533	Strand	+
Start	10962	End	15633
Name	OJ000302_08.0410.C8.o4.np	Method	AAT/NAP
Start	10962	End	15633
GI	6069646	Score	242
Exons	10962..10989, 15369..15633		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86534	Strand	+
Start	27952	End	37817
Name	OJ000302_08.0410.C8.o7.gs	Method	GENSCAN
Start	27952	End	33945
GI	none	Score	.7
Exons	27952..28087, 28178..28287, 29741..29814, 30384..30508, 32543..32637, 32752..33027, 33039..33261, 33266..33340, 33372..33596, 33836..33945		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86534	Strand	+
Start	27952	End	37817
Name	OJ000302_08.0410.C8.o10.np	Method	AAT/NAP
Start	31672	End	34572
GI	4587595	Score	362
Exons	31672..31888, 32488..32637, 32752..33230, 34459..34572		
GI Descrip.	(AC006951) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86534	Strand	+
Start	27952	End	37817
Name	OJ000302_08.0410.C8.o11.np	Method	AAT/NAP
Start	33080	End	36784
GI	1709925	Score	1096
Exons	33080..33226, 34525..34639, 34791..34885, 34970..35071, 35192..35251, 35667..35839, 35986..36097, 36176..36334, 36617..36784		
GI Descrip.	PHOSPHORIBOSYLFORMYLGLYCINAMIDINE CYCLO-LIGASE PRECURSOR (AIRS) (PHOSPHORIBOSYL-AMINOIMIDAZOLE SYNTHETASE) (AIR SYNTHASE) gi|7437995|pir||T10963 phosphoribosylformylglycinamidine cyclo-ligase (EC 6.3.3.1) - cowpea gi|945060|gb|AAC14578.1| (U30895) aminoimidazole ribonucleotide (AIRS) synthetase [Vigna unguiculata]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86534	Strand	+
Start	27952	End	37817
Name	OJ000302_08.0410.C8.o8.gs	Method	GENSCAN
Start	34315	End	37817
GI	none	Score	.88
Exons	34315..34639, 34791..34885, 34970..35071, 35192..35251, 35667..35839, 35986..36097, 36617..36764, 37359..37459, 37464..37817		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86534	Strand	+
Start	27952	End	37817
Name	OJ000302_08.0410.C8.o8.gp	Method	AAT/GAP
Start	34782	End	35826
GI	15917_1.R1084	Score	746
Exons	34782..34885, 34970..35071, 35192..35251, 35667..35826		
GI Descrip.	'1172754/sp|Q05728|PUR5_ARATH 9.0e-66 PHOSPHORIBOSYLFORMYLGLYCINAMIDINE CYCLO-LIGASE PRECURSOR (AIRS) (PHOSPHORIBOSYL-AMINOIMIDAZOLE SYNTHETASE) (AIR SYNTHASE) >gi_541885_pir__JQ2256 phosphoribosylformylglycinamidine cyclo-ligase (EC 6.3.3.1) precursor - Arabidopsis thaliana >gi_289188 (L12457) 5''-phosphoribosyl-5-aminoimidazole synthetase [Arabidopsis thaliana]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86534	Strand	+
Start	27952	End	37817
Name	OJ000302_08.0410.C8.o9.gp	Method	AAT/GAP
Start	35991	End	37007
GI	20902_1.R1084	Score	1207

Exons	35991..36097, 36176..36334, 36617..37007		
GI Descrip.	'1709925/sp|P52424|PUR5_VIGUN 2.0e-48 PHOSPHORIBOSYLFORMYLGLYCINAMIDINE CYCLO-LIGASE PRECURSOR (AIRS) (PHOSPHORIBOSYL-AMINOIMIDAZOLE SYNTHETASE) (AIR SYNTHASE) >gi_945060 (U30895) aminoimidazole ribonucleotide (AIRS) synthetase [Vigna unguiculata]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86535	Strand	+
Start	44743	End	45765
Name	OJ000302_08.0410.C8.o10.gs	Method	GENSCAN
Start	44743	End	45765
GI	none	Score	.56
Exons	44743..44845, 45142..45281, 45742..45765		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86536	Strand	+
Start	48024	End	54288
Name	OJ000302_08.0410.C8.o12.gs	Method	GENSCAN
Start	48024	End	54062
GI	none	Score	.8
Exons	48024..48083, 48392..48710, 48957..49186, 49290..49343, 50166..50289, 50382..50465, 50640..50754, 50916..51066, 51182..51394, 51597..51668, 51830..51880, 51979..52029, 52299..52463, 52998..53072, 53441..53679, 53933..54062		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86536	Strand	+
Start	48024	End	54288
Name	OJ000302_08.0410.C8.o12.gp	Method	AAT/GAP
Start	51627	End	53034
GI	uC-osflcyp085c05b1	Score	789
Exons	51627..51668, 51830..51880, 51979..52029, 52113..52220, 52299..52463, 52998..53034		
GI Descrip.	'2131531/pir||S69554 1.0e-08 hypothetical protein YDR496c - yeast (Saccharomyces cerevisiae) >gi_927766 (U33057) Ydr496cp; CAI: 0.25 [Saccharomyces cerevisiae]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86536	Strand	+
Start	48024	End	54288
Name	OJ000302_08.0410.C8.o13.gp	Method	AAT/GAP
Start	53547	End	54288
GI	none	Score	894
Exons	53547..53679, 53933..54288		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86537	Strand	+
Start	60097	End	64576
Name	OJ000302_08.0410.C8.o14.gp	Method	AAT/GAP
Start	60032	End	60540
GI	none	Score	441
Exons	60032..60286, 60475..60540		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86537	Strand	+
Start	60097	End	64576

Name	OJ000302_08.0410.C8.o15.gs	Method	GENSCAN
Start	60097	End	64545
GI	none	Score	.77
Exons	60097..60479, 60689..60743, 61250..61302, 61904..62099, 62333..62435, 62854..62972, 63284..63439, 63943..64545		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86537	Strand	+
Start	60097	End	64576
Name	OJ000302_08.0410.C8.o15.gp	Method	AAT/GAP
Start	60371	End	62016
GI	LIB3434-058-P1-K1-C12	Score	747
Exons	60371..60435, 61524..61715, 61827..62016		
GI Descrip.	'2244965/emb|CAB10386.1| 2.0e-25 (Z97340) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86537	Strand	+
Start	60097	End	64576
Name	OJ000302_08.0410.C8.o16.gp	Method	AAT/GAP
Start	63323	End	64576
GI	19002_1.R1084	Score	1423
Exons	63323..63439, 63943..64576		
GI Descrip.	'6006395/emb|CAB56768.1| 1.0e-10 (AJ132096) squamosa promoter binding protein-like 12 [Arabidopsis thaliana] >gi_6006403_emb_CAB56769.1_ (AJ132097) squamosa promoter binding protein-like 12 [Arabidopsis thaliana]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86538	Strand	+
Start	64845	End	65390
Name	OJ000302_08.0410.C8.o16.gs	Method	GENSCAN
Start	64845	End	65390
GI	none	Score	1
Exons	64845..65390		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86539	Strand	+
Start	66313	End	68406
Name	OJ000302_08.0410.C8.o17.gs	Method	GENSCAN
Start	66313	End	68406
GI	none	Score	.89
Exons	66313..66509, 66835..67049, 67415..67459, 67686..67807, 67931..68029, 68290..68406		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86539	Strand	+
Start	66313	End	68406
Name	OJ000302_08.0410.C8.o15.np	Method	AAT/NAP
Start	66446	End	67973
GI	7228450	Score	199
Exons	66446..66562, 67415..67500, 67639..67756, 67860..67973		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86540	Strand	+
Start	68901	End	69506

Name	OJ000302_08.0410.C8.o18.gs	Method	GENSCAN
Start	68901	End	69506
GI	none	Score	1
Exons	68901..69506		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86540	Strand	+
Start	68901	End	69506
Name	OJ000302_08.0410.C8.o17.gp	Method	AAT/GAP
Start	68984	End	69221
GI	2427559	Score	435
Exons	68984..69221		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86541	Strand	-
Start	8886	End	12953
Name	OJ000302_08.0410.C8.o3.np	Method	AAT/NAP
Start	8883	End	12953
GI	4335731	Score	2800
Exons	8883..11161, 11192..12217, 12308..12953		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86541	Strand	-
Start	8886	End	12953
Name	OJ000302_08.0410.C8.o2.gs	Method	GENSCAN
Start	8886	End	12944
GI	none	Score	.84
Exons	8886..12944		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86542	Strand	-
Start	14014	End	15107
Name	OJ000302_08.0410.C8.o3.gs	Method	GENSCAN
Start	14014	End	15107
GI	none	Score	.8
Exons	14014..14872, 14890..15107		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86543	Strand	-
Start	16621	End	19124
Name	OJ000302_08.0410.C8.o4.gp	Method	AAT/GAP
Start	16356	End	17170
GI	none	Score	868
Exons	16356..16716, 16884..16966, 17143..17170		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86543	Strand	-
Start	16621	End	19124
Name	OJ000302_08.0410.C8.o4.gs	Method	GENSCAN
Start	16621	End	18705
GI	none	Score	.93
Exons	16621..16716, 16884..16966, 17143..17220, 17587..17665, 17962..17994, 18518..18604, 18694..18705		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8

Gene No.	86543	Strand	-
Start	16621	End	19124
Name	OJ000302_08.0410.C8.o5.np	Method	AAT/NAP
Start	16851	End	18622
GI	6714389	Score	489
Exons	16851..16966, 17143..17203, 17440..17492, 17587..17665, 17962..17994, 18208..18290, 18508..18622		
GI Descrip.	(AC012393) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86543	Strand	-
Start	16621	End	19124
Name	OJ000302_08.0410.C8.o5.gp	Method	AAT/GAP
Start	17455	End	19124
GI	uC-osrocyp009c09a1	Score	736
Exons	17455..17492, 17587..17665, 17962..17994, 18208..18290, 18383..18404, 18518..18604, 18694..18736, 19060..19124		
GI Descrip.	'466044/sp|P34670|YO14_CAEEL 1.0e-16 HYPOTHETICAL ZINC FINGER PROTEIN ZK686.4 IN CHROMOSOME III >gi_630780_pir__S44909 ZK686.4 protein - Caenorhabditis elegans >gi_304346 (L17337) coded for by C. elegans cDNAs GenBank:M88869 and T01933; putative [Caenorhabditis elegans]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86544	Strand	-
Start	19890	End	21628
Name	OJ000302_08.0410.C8.o6.gp	Method	AAT/GAP
Start	19636	End	20428
GI	31707_1.R1084	Score	1559
Exons	19636..20428		
GI Descrip.	'3150415 2.0e-66 (AC004165) sec13-related protein [Arabidopsis thaliana] >gi_3420046 (AC004680) sec13-related protein [Arabidopsis thaliana]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86544	Strand	-
Start	19890	End	21628
Name	OJ000302_08.0410.C8.o5.gs	Method	GENSCAN
Start	19890	End	20795
GI	none	Score	.92
Exons	19890..20795		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86544	Strand	-
Start	19890	End	21628
Name	OJ000302_08.0410.C8.o6.np	Method	AAT/NAP
Start	19893	End	20795
GI	7446122	Score	1063
Exons	19893..20795		
GI Descrip.	sec13-related protein T27E13.21 - Arabidopsis thaliana gi|3150415|gb|AAC16967.1| (AC004165) putative protein transport protein SEC13 [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86544	Strand	-
Start	19890	End	21628
Name	OJ000302_08.0410.C8.o7.gp	Method	AAT/GAP

Start	20474	End	21628
GI	25476_1.R1084	Score	899
Exons	20474..20842, 21528..21628		
GI Descrip.	'3150415 1.0e-27 (AC004165) sec13-related protein [Arabidopsis thaliana] >gi_3420046 (AC004680) sec13-related protein [Arabidopsis thaliana]'		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86545	Strand	-
Start	22982	End	27837
Name	OJ000302_08.0410.C8.o6.gs	Method	GENSCAN
Start	22982	End	27837
GI	none	Score	.7
Exons	22982..23081, 23127..23176, 23842..24488, 24571..24712, 25811..27469, 27556..27614, 27723..27837		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o19.tm	Method	TBLASTX:Maize
Start	1724	End	3707
GI	none	Score	148
Exons	1724..1819, 2742..2798, 3474..3545, 3474..3542, 3619..3705, 3621..3707		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	5857	End	7507
GI	none	Score	200
Exons	5857..5928, 5858..5968, 5859..5969, 6063..6134, 6064..6174, 6065..6256, 6346..6555, 6348..6593, 6349..6609, 6350..6610, 6569..6610, 6716..6769, 6716..6736, 6726..6761, 7099..7131, 7263..7319, 7265..7303, 7307..7357, 7308..7355, 7313..7363, 7433..7507, 7444..7506, 7445..7507		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o4.tw	Method	TBLASTX:Wheat
Start	5857	End	6157
GI	none	Score	204
Exons	5857..5928, 5858..5968, 5859..5969, 6063..6137, 6064..6102, 6064..6156, 6065..6157		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	5858	End	7830
GI	none	Score	190
Exons	5858..5968, 5859..5969, 6057..6137, 6064..6174, 6065..6256, 6346..6546, 6349..6609, 6350..6610, 6353..6610, 6716..6775, 6726..6773, 7263..7352, 7265..7345, 7302..7352, 7445..7501, 7450..7500, 7600..7677, 7605..7670, 7742..7795, 7746..7817, 7789..7830		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	5858	End	7844
GI	none	Score	191
Exons	5858..5968, 5859..5969, 6064..6174, 6065..6256, 6206..6268, 6341..6583, 6346..6546, 6349..6609, 6350..6610, 6560..6610, 6716..6757, 6720..6758, 6746..6775, 7057..7131, 7263..7355, 7264..7353, 7444..7500, 7445..7501, 7448..7501, 7454..7492, 7589..7669, 7600..7677, 7605..7670, 7733..7843, 7746..7844, 7746..7844		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o5.tw	Method	TBLASTX:Wheat
Start	6532	End	7793
GI	none	Score	110
Exons	6532..6609, 6533..6610, 6714..6782, 6716..6775, 7081..7131, 7099..7131, 7258..7353, 7263..7355, 7442..7513, 7445..7501, 7448..7501, 7460..7501, 7590..7673, 7600..7677, 7600..7671, 7605..7673, 7727..7792, 7733..7789, 7746..7793, 7746..7793		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o15.tm	Method	TBLASTX:Maize
Start	7598	End	7844
GI	none	Score	73
Exons	7598..7672, 7599..7673, 7600..7677, 7605..7673, 7742..7837, 7742..7843, 7746..7844, 7746..7844		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o3.tc	Method	TBLASTX:Cress
Start	8898	End	9557
GI	none	Score	66
Exons	8898..9128, 8944..9129, 9135..9260, 9273..9356, 9372..9557		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o4.tm	Method	TBLASTX:Maize
Start	8898	End	9545
GI	none	Score	42
Exons	8898..9116, 9040..9108, 9141..9545, 9142..9348		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o7.tw	Method	TBLASTX:Wheat
Start	8928	End	9404
GI	none	Score	38
Exons	8928..9125, 9040..9126, 9139..9378, 9141..9404		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o6.ts	Method	TBLASTX:Soybean
Start	9021	End	9339
GI	none	Score	115
Exons	9021..9338, 9024..9215, 9031..9339		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o5.ts	Method	TBLASTX:Soybean
Start	9351	End	9759
GI	none	Score	306
Exons	9351..9758, 9352..9759		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	9588	End	10245
GI	none	Score	85
Exons	9588..9686, 9699..9905, 9900..10244, 10114..10245		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o6.tm	Method	TBLASTX:Maize
Start	9780	End	10245
GI	none	Score	142
Exons	9780..10244, 9937..10245		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o4.ts	Method	TBLASTX:Soybean
Start	9909	End	10421
GI	5509260	Score	68
Exons	9909..10421, 9937..9993, 10011..10094, 10132..10413		
GI Descrip.	-		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o5.tc	Method	TBLASTX:Cress
Start	10026	End	10299
GI	none	Score	122
Exons	10026..10298, 10060..10299		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o3.ts	Method	TBLASTX:Soybean
Start	10701	End	11177
GI	none	Score	262
Exons	10701..11177, 10804..11175		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o6.tc	Method	TBLASTX:Cress
Start	10713	End	11162
GI	none	Score	103
Exons	10713..11144, 10719..11162		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o5.tm	Method	TBLASTX:Maize
Start	10716	End	11354
GI	none	Score	133
Exons	10716..11285, 10987..11286, 11286..11354		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o2.tw	Method	TBLASTX:Wheat
Start	10734	End	11411
GI	none	Score	89
Exons	10734..10874, 10839..10940, 10950..11411, 10962..11279, 10963..11346		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o9.ts	Method	TBLASTX:Soybean
Start	11214	End	11546
GI	none	Score	146
Exons	11214..11546, 11224..11514, 11373..11450		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o11.ts	Method	TBLASTX:Soybean
Start	12411	End	12767
GI	none	Score	217
Exons	12411..12767		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o7.tc	Method	TBLASTX:Cress
Start	12486	End	12854
GI	none	Score	262
Exons	12486..12854		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o9.tc	Method	TBLASTX:Cress
Start	17126	End	18598
GI	none	Score	82
Exons	17126..17206, 17429..17491, 17431..17493, 17437..17490,		

17439..17492, 17582..17668, 17582..17668, 17589..17669,
18205..18288, 18206..18286, 18521..18598

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o17.tm	Method	TBLASTX:Maize
Start	17429	End	18295
GI	none	Score	84
Exons	17429..17491, 17436..17492, 17440..17493, 17582..17668, 17582..17668, 17589..17669, 18201..18290, 18205..18291, 18205..18291, 18206..18295		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o7.tm	Method	TBLASTX:Maize
Start	19864	End	20157
GI	none	Score	279
Exons	19864..20157, 19887..20156		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	19890	End	20801
GI	none	Score	331
Exons	19890..20273, 19894..20289, 19953..20114, 20074..20307, 20272..20361, 20274..20360, 20367..20711, 20370..20687, 20371..20688, 20508..20585, 20598..20621, 20661..20801, 20683..20763		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o3.tw	Method	TBLASTX:Wheat
Start	19890	End	20621
GI	none	Score	270
Exons	19890..20219, 19891..20220, 20457..20582, 20508..20585, 20598..20621		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o2.tc	Method	TBLASTX:Cress
Start	19917	End	20820
GI	none	Score	325
Exons	19917..19988, 19953..20114, 19995..20114, 20307..20657, 20308..20658, 20455..20664, 20649..20801, 20683..20820		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	20158	End	20817
GI	none	Score	160
Exons	20158..20313, 20160..20312, 20287..20817, 20304..20801,		

20342..20803

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o8.tw	Method	TBLASTX:Wheat
Start	20224	End	20382
GI	none	Score	213
Exons	20224..20382, 20224..20379, 20226..20381		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o12.tm	Method	TBLASTX:Maize
Start	23844	End	24134
GI	none	Score	73
Exons	23844..23942, 23848..23943, 23848..23949, 23849..23944, 23947..24132, 23949..24134, 23950..24132		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o18.tm	Method	TBLASTX:Maize
Start	24162	End	24457
GI	none	Score	59
Exons	24162..24224, 24166..24231, 24270..24446, 24274..24456, 24275..24457		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o10.tm	Method	TBLASTX:Maize
Start	34531	End	36346
GI	none	Score	157
Exons	34531..34638, 34533..34634, 34785..34889, 34793..34894, 34801..34887, 34938..35072, 34969..35073, 34970..35077, 35188..35250, 35192..35251, 35664..35840, 35664..35837, 35666..35839, 35983..36111, 35984..36112, 36170..36283, 36174..36281, 36175..36288, 36196..36288, 36251..36346		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o7.ts	Method	TBLASTX:Soybean
Start	34531	End	36262
GI	none	Score	155
Exons	34531..34641, 34539..34640, 34789..34887, 34790..34894, 34969..35073, 34970..35077, 35188..35250, 35192..35251, 35654..35839, 35664..35840, 35984..36037, 35985..36038, 36037..36111, 36038..36112, 36158..36226, 36194..36262, 36196..36225, 36226..36258		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o4.tc	Method	TBLASTX:Cress
Start	34531	End	35251

GI	none	Score	146
Exons	34531..34641, 34539..34640, 34789..34887, 34790..34894, 34966..35040, 34969..35073, 34970..35077, 35188..35250, 35192..35251		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o8.tc	Method	TBLASTX:Cress
Start	36176	End	36790
GI	none	Score	234
Exons	36176..36334, 36196..36330, 36619..36699, 36620..36700, 36712..36774, 36713..36790		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o16.tm	Method	TBLASTX:Maize
Start	36596	End	36882
GI	none	Score	226
Exons	36596..36787, 36614..36790, 36615..36794, 36805..36882		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o9.gs	Method	GENSCAN
Start	38572	End	42142
GI	none	Score	.93
Exons	38572..38603, 38661..38900, 39011..39102, 39600..39715, 39765..39990, 40647..40861, 41732..42142		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o12.np	Method	AAT/NAP
Start	38665	End	41926
GI	6899649	Score	567
Exons	38665..38873, 38996..39102, 39600..39685, 39765..39996, 40647..40861, 41732..41926		
GI Descrip.	(AC012189) T15D22.8 [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o9.tm	Method	TBLASTX:Maize
Start	38725	End	41800
GI	none	Score	43
Exons	38725..38754, 38725..38751, 38753..38887, 38758..38901, 38759..38887, 39012..39101, 39013..39102, 39596..39715, 39596..39688, 39747..39905, 39748..39906, 39749..39916, 39763..39906, 39900..39992, 39901..39993, 39902..39991, 40641..40859, 40646..40870, 40647..40859, 41735..41800		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o12.ts	Method	TBLASTX:Soybean

Start	39009	End	40817
GI	none	Score	105
Exons	39009..39101, 39010..39102, 39596..39676, 39597..39677, 39762..39902, 40646..40816, 40679..40813, 40686..40817		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o14.np	Method	AAT/NAP
Start	39454	End	65233
GI	6630459	Score	118
Exons	39454..39479, 41772..41883, 60205..60292, 64968..65233		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o13.np	Method	AAT/NAP
Start	40026	End	42288
GI	728868	Score	104
Exons	40026..40051, 41726..41775, 41957..42288		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o10.gp	Method	AAT/GAP
Start	46284	End	46650
GI	none	Score	658
Exons	46284..46650		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o11.gs	Method	GENSCAN
Start	46508	End	47136
GI	none	Score	1
Exons	46508..46780, 46901..47014, 47113..47136		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o11.gp	Method	AAT/GAP
Start	47245	End	47491
GI	2311787	Score	474
Exons	47245..47491		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o14.tm	Method	TBLASTX:Maize
Start	48934	End	50419
GI	none	Score	51
Exons	48934..48996, 48980..49048, 48991..49035, 49129..49188,		

49151..49186, 49828..49914, 49830..49892, 49976..50062,
49980..50066, 49981..50067, 50158..50232, 50163..50264,
50165..50233, 50228..50281, 50235..50285, 50381..50419

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o10.ts	Method	TBLASTX:Soybean
Start	49287	End	51066
GI	none	Score	65
Exons	49287..49343, 49828..49893, 49980..50066, 50163..50282, 50165..50275, 50405..50461, 50913..51065, 50917..51066		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o8.tm	Method	TBLASTX:Maize
Start	50635	End	52196
GI	none	Score	142
Exons	50635..50742, 50883..51056, 50915..51058, 50916..51065, 50917..51078, 51179..51394, 51179..51229, 51181..51396, 51306..51395, 51307..51399, 51594..51668, 51594..51662, 51596..51694, 51596..51664, 51809..51910, 51846..51878, 51978..52028, 51978..52028, 51979..52104, 52110..52196, 52112..52195		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o11.tm	Method	TBLASTX:Maize
Start	52297	End	54068
GI	none	Score	116
Exons	52297..52464, 52298..52465, 52302..52481, 52337..52462, 52356..52463, 52992..53075, 53015..53071, 53438..53677, 53438..53677, 53443..53679, 53449..53679, 53930..54064, 53931..54068		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o14.gs	Method	GENSCAN
Start	57092	End	58462
GI	none	Score	.81
Exons	57092..57202, 57312..57378, 58431..58462		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o3.tm	Method	TBLASTX:Maize
Start	61523	End	62090
GI	none	Score	38
Exons	61523..61558, 61529..61615, 61530..61616, 61530..61673, 61613..61696, 61617..61724, 61620..61718, 61621..61728, 61824..62090, 61826..62080, 61827..62084		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-

Start	38572	End	65233
Name	OJ000302_08.0410.C8.o8.ts	Method	TBLASTX:Soybean
Start	61827	End	62942
GI	none	Score	279
Exons	61827..62102, 61871..62059, 61947..62099, 62333..62434, 62338..62433, 62808..62942		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86546	Strand	-
Start	38572	End	65233
Name	OJ000302_08.0410.C8.o20.tm	Method	TBLASTX:Maize
Start	64374	End	64518
GI	none	Score	90
Exons	64374..64514, 64377..64478, 64393..64518		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86547	Strand	
Start	68958	End	69443
Name	OJ000302_08.0410.C8.o13.tm	Method	TBLASTX:Maize
Start	68958	End	69443
GI	none	Score	72
Exons	68958..69062, 68982..69029, 69027..69248, 69137..69217, 69252..69443, 69257..69430, 69345..69437		

Seq. No.	41682	Seq. ID	OJ000302_08.0410.C8
Gene No.	86547	Strand	
Start	68958	End	69443
Name	OJ000302_08.0410.C8.o6.tw	Method	TBLASTX:Wheat
Start	69137	End	69395
GI	none	Score	146
Exons	69137..69214, 69138..69248, 69252..69395		

Seq. No.	41683	Seq. ID	OJ000302_05.0406.C4
Gene No.	86548	Strand	+
Start	3192	End	8074
Name	OJ000302_05.0406.C4.o2.gs	Method	GENSCAN
Start	3192	End	8074
GI	none	Score	.51
Exons	3192..3327, 5943..6693, 7027..7080, 7254..7405, 7797..8074		

Seq. No.	41683	Seq. ID	OJ000302_05.0406.C4
Gene No.	86548	Strand	+
Start	3192	End	8074
Name	OJ000302_05.0406.C4.o1.np	Method	AAT/NAP
Start	5896	End	6568
GI	7487444	Score	321
Exons	5896..6034, 6260..6568		
GI Descrip.	hypothetical protein T26D22.18 - Arabidopsis thaliana gi|3047090|gb|AAC13602.1| (AF058826) T26D22.18 gene product [Arabidopsis thaliana]		

Seq. No.	41683	Seq. ID	OJ000302_05.0406.C4
Gene No.	86549	Strand	-
Start	8782	End	9882
Name	OJ000302_05.0406.C4.o1.tc	Method	TBLASTX:Cress
Start	6253	End	6559
GI	none	Score	70

Exons	6253..6351, 6256..6555, 6260..6559, 6272..6559		
Seq. No.	41683	Seq. ID	OJ000302_05.0406.C4
Gene No.	86549	Strand	-
Start	8782	End	9882
Name	OJ000302_05.0406.C4.o1.tm	Method	TBLASTX:Maize
Start	6263	End	8668
GI	none	Score	412
Exons	6263..6565, 6268..6558, 7016..7084, 7027..7083, 7237..7374, 8576..8668		
Seq. No.	41683	Seq. ID	OJ000302_05.0406.C4
Gene No.	86549	Strand	-
Start	8782	End	9882
Name	OJ000302_05.0406.C4.o1.ts	Method	TBLASTX:Soybean
Start	6277	End	8668
GI	none	Score	384
Exons	6277..6558, 6278..6559, 6280..6564, 7276..7353, 8576..8668		
Seq. No.	41683	Seq. ID	OJ000302_05.0406.C4
Gene No.	86549	Strand	-
Start	8782	End	9882
Name	OJ000302_05.0406.C4.o3.gs	Method	GENSCAN
Start	8782	End	9882
GI	none	Score	1
Exons	8782..9882		
Seq. No.	41684	Seq. ID	OJ000302_05.0406.C5
Gene No.	86550	Strand	+
Start	936	End	2069
Name	OJ000302_05.0406.C5.o3.np	Method	AAT/NAP
Start	936	End	2069
GI	5257273	Score	218
Exons	936..1099, 1248..1595, 2031..2069		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		
Seq. No.	41684	Seq. ID	OJ000302_05.0406.C5
Gene No.	86551	Strand	-
Start	1	End	1659
Name	OJ000302_05.0406.C5.o2.np	Method	AAT/NAP
Start	1	End	1659
GI	7339707	Score	63
Exons	1..23, 521..621, 841..1284, 1513..1659		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	41684	Seq. ID	OJ000302_05.0406.C5
Gene No.	86551	Strand	-
Start	1	End	1659
Name	OJ000302_05.0406.C5.o1.np	Method	AAT/NAP
Start	179	End	1610
GI	5042462	Score	69
Exons	179..324, 539..610, 1509..1610		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		
Seq. No.	41684	Seq. ID	OJ000302_05.0406.C5

Gene No.	86551	Strand	-
Start	1	End	1659
Name	OJ000302_05.0406.C5.o1.gs	Method	GENSCAN
Start	841	End	1548
GI	none	Score	.58
Exons	841..1085, 1286..1548		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86552	Strand	+
Start	1	End	1168
Name	OJ000302_05.0406.C6.o1.np	Method	AAT/NAP
Start	1	End	1165
GI	4680179	Score	1996
Exons	1..1165		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86552	Strand	+
Start	1	End	1168
Name	OJ000302_05.0406.C6.o1.gs	Method	GENSCAN
Start	95	End	1168
GI	none	Score	.89
Exons	95..1168		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86553	Strand	+
Start	2903	End	2975
Name	OJ000302_05.0406.C6.o1.gp	Method	AAT/GAP
Start	2903	End	2975
GI	1631463	Score	88
Exons	2903..2975		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86554	Strand	+
Start	4348	End	9365
Name	OJ000302_05.0406.C6.o3.gs	Method	GENSCAN
Start	4348	End	9307
GI	none	Score	.8
Exons	4348..4473, 4803..5396, 5533..5568, 5955..9307		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86554	Strand	+
Start	4348	End	9365
Name	OJ000302_05.0406.C6.o2.np	Method	AAT/NAP
Start	4869	End	5699
GI	5042448	Score	1150
Exons	4869..5699		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86554	Strand	+
Start	4348	End	9365
Name	OJ000302_05.0406.C6.o3.np	Method	AAT/NAP

Start	5955	End	9365
GI	4680179	Score	5882
Exons	5955..9365		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o4.tm	Method	TBLASTX:Maize
Start	1	End	292
GI	none	Score	390
Exons	1..288, 2..292		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o5.tw	Method	TBLASTX:Wheat
Start	1	End	9365
GI	none	Score	249
Exons	1..153, 2..154, 9027..9365, 9098..9358		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	5	End	9365
GI	none	Score	257
Exons	5..202, 11..106, 22..201, 9294..9365		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	161	End	787
GI	none	Score	731
Exons	161..787, 163..786		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	341	End	928
GI	none	Score	226
Exons	341..502, 349..495, 500..928, 502..927		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o6.tw	Method	TBLASTX:Wheat
Start	787	End	1120
GI	none	Score	363
Exons	787..840, 788..1120, 794..895, 880..996, 938..1099		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o7.tm	Method	TBLASTX:Maize

Start	929	End	1141
GI	none	Score	193
Exons	929..1141		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o2.gs	Method	GENSCAN
Start	2016	End	2447
GI	none	Score	.68
Exons	2016..2447		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o7.tw	Method	TBLASTX:Wheat
Start	6222	End	6581
GI	none	Score	303
Exons	6222..6581, 6225..6581		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o6.tm	Method	TBLASTX:Maize
Start	6462	End	6758
GI	none	Score	205
Exons	6462..6758, 6462..6746, 6479..6649		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o8.tm	Method	TBLASTX:Maize
Start	7098	End	7418
GI	none	Score	184
Exons	7098..7418, 7151..7243		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o8.tw	Method	TBLASTX:Wheat
Start	7101	End	7523
GI	none	Score	152
Exons	7101..7310, 7151..7249, 7310..7450, 7332..7523, 7361..7516		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o3.tw	Method	TBLASTX:Wheat
Start	7680	End	8162
GI	none	Score	545
Exons	7680..8162, 7784..8119, 7809..8153		

Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o5.tm	Method	TBLASTX:Maize
Start	7692	End	7981

GI	none	Score	322
Exons	7692..7979, 7790..7981		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o4.ts	Method	TBLASTX:Soybean
Start	7716	End	8030
GI	none	Score	189
Exons	7716..8030, 7832..8029		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	8049	End	8549
GI	none	Score	161
Exons	8049..8228, 8214..8549, 8300..8434		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	8103	End	8498
GI	none	Score	57
Exons	8103..8135, 8103..8147, 8139..8498, 8139..8219, 8234..8497		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o4.tw	Method	TBLASTX:Wheat
Start	8211	End	8513
GI	none	Score	402
Exons	8211..8513, 8212..8313, 8231..8512		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o2.tw	Method	TBLASTX:Wheat
Start	8514	End	9023
GI	none	Score	628
Exons	8514..9023, 8546..8857, 8592..8939		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o3.ts	Method	TBLASTX:Soybean
Start	8520	End	8765
GI	none	Score	204
Exons	8520..8765, 8543..8650, 8705..8764		
Seq. No.	41685	Seq. ID	OJ000302_05.0406.C6
Gene No.	86555	Strand	-
Start	2016	End	9365
Name	OJ000302_05.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	8586	End	8939
GI	none	Score	488

Exons	8586..8939, 8588..8854, 8640..8855, 8641..8931, 8894..8935		
Seq. No.	41686	Seq. ID	OJ000302_05.0406.C7
Gene No.	86556	Strand	+
Start	578	End	1496
Name	OJ000302_05.0406.C7.o1.gs	Method	GENSCAN
Start	578	End	1496
GI	none	Score	.67
Exons	578..663, 945..1151, 1310..1444, 1481..1496		
Seq. No.	41686	Seq. ID	OJ000302_05.0406.C7
Gene No.	86557	Strand	+
Start	2607	End	4415
Name	OJ000302_05.0406.C7.o2.gs	Method	GENSCAN
Start	2607	End	4415
GI	none	Score	.78
Exons	2607..2703, 3021..3291, 3358..4215, 4307..4415		
Seq. No.	41686	Seq. ID	OJ000302_05.0406.C7
Gene No.	86558	Strand	-
Start	5883	End	7032
Name	OJ000302_05.0406.C7.o3.gs	Method	GENSCAN
Start	5883	End	6896
GI	none	Score	1
Exons	5883..6896		
Seq. No.	41686	Seq. ID	OJ000302_05.0406.C7
Gene No.	86558	Strand	-
Start	5883	End	7032
Name	OJ000302_05.0406.C7.o1.gp	Method	AAT/GAP
Start	6534	End	7032
GI	LIB3432-060-P1-K1-H12	Score	947
Exons	6534..7032		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86559	Strand	+
Start	2484	End	11398
Name	OJ000302_05.0406.C8.o1.gs	Method	GENSCAN
Start	2484	End	11398
GI	none	Score	.84
Exons	2484..2594, 2665..2856, 3167..3242, 3644..3748, 3874..3941, 4032..4094, 4600..4702, 4787..4896, 4985..5099, 5351..5406, 5696..5859, 5946..6105, 6770..6853, 7124..7246, 7418..7548, 7627..7708, 8314..8437, 8500..8587, 8699..8899, 8989..9154, 9433..9504, 9637..9840, 10443..10549, 10944..11022, 11127..11263, 11383..11398		
Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86559	Strand	+
Start	2484	End	11398
Name	OJ000302_05.0406.C8.o1.np	Method	AAT/NAP
Start	2535	End	10119
GI	7485156	Score	2717
Exons	2535..2594, 2665..2856, 2945..3028, 3167..3242, 3461..3527,		

3691..3748, 3874..3941, 4032..4094, 4454..4507, 4600..4702,
4787..4896, 4985..5104, 5351..5406, 5696..5871, 5946..6105,
6770..6853, 7124..7246, 7418..7548, 7627..7708, 7926..8013,
8193..8236, 8314..8409, 8511..8587, 8699..8899, 8989..9154,
9433..9504, 9637..9840, 10009..10119

GI Descrip. hypothetical protein - Arabidopsis thaliana
gi|2244971|emb|CAB10392.1| (Z97340) galactokinase like protein
[Arabidopsis thaliana] gi|7268362|emb|CAB78655.1| (AL161543)
galactokinase like protein [Arabidopsis thaliana]

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86559	Strand	+
Start	2484	End	11398
Name	OJ000302_05.0406.C8.o1.gp	Method	AAT/GAP
Start	9764	End	10491
GI	11740_1.R1084	Score	987
Exons	9764..9840, 10009..10491		
GI Descrip.	'2244971/emb|CAB10392.1| 7.0e-20 (Z97340) galactokinase like protein [Arabidopsis thaliana]'		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86560	Strand	-
Start	12702	End	13378
Name	OJ000302_05.0406.C8.o2.gs	Method	GENSCAN
Start	12702	End	13378
GI	none	Score	.44
Exons	12702..12916, 13369..13378		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86561	Strand	-
Start	13737	End	13804
Name	OJ000302_05.0406.C8.o2.gp	Method	AAT/GAP
Start	13737	End	13804
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	13737..13804		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86562	Strand	-
Start	14518	End	14772
Name	OJ000302_05.0406.C8.o3.gs	Method	GENSCAN
Start	14518	End	14772
GI	none	Score	.98
Exons	14518..14772		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	2529	End	3929
GI	none	Score	98
Exons	2529..2594, 2537..2584, 2667..2741, 2668..2745, 2773..2856, 2778..2846, 2942..3004, 2944..3081, 3167..3196, 3193..3255, 3198..3242, 3459..3530, 3672..3749, 3682..3747, 3873..3929, 3875..3922		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o4.tm	Method	TBLASTX:Maize
Start	2529	End	2995
GI	none	Score	111
Exons	2529..2594, 2537..2590, 2632..2730, 2662..2745, 2664..2744, 2769..2843, 2773..2856, 2942..2995, 2942..2992		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o3.ts	Method	TBLASTX:Soybean
Start	2529	End	3063
GI	none	Score	94
Exons	2529..2594, 2537..2590, 2659..2745, 2662..2730, 2664..2741, 2769..2849, 2773..2856, 2942..3004, 2944..3063		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	4451	End	5122
GI	none	Score	112
Exons	4451..4510, 4453..4512, 4600..4641, 4642..4716, 4644..4715, 4657..4716, 4765..4896, 4785..4895, 4787..4900, 4787..4939, 4976..5122, 4979..5110, 4999..5115		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	4599	End	5095
GI	none	Score	132
Exons	4599..4715, 4600..4716, 4721..4894, 4746..4895, 4765..4896, 4785..4895, 4976..5095, 4979..5047, 5002..5082		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o5.tm	Method	TBLASTX:Maize
Start	7124	End	7654
GI	none	Score	91
Exons	7124..7189, 7126..7188, 7193..7249, 7195..7248, 7409..7549, 7417..7551, 7419..7550, 7625..7654		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o4.ts	Method	TBLASTX:Soybean
Start	7426	End	8400
GI	none	Score	87
Exons	7426..7491, 7427..7486, 7483..7551, 7490..7549, 7625..7711, 7627..7710, 7925..8020, 7926..8018, 8192..8239, 8311..8400, 8313..8399		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o2.tc	Method	TBLASTX:Cress
Start	7475	End	8585
GI	none	Score	86
Exons	7475..7549, 7481..7549, 7625..7711, 7627..7710, 7925..8014, 7926..8018, 8192..8239, 8311..8421, 8313..8408, 8490..8585, 8510..8584		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o3.tm	Method	TBLASTX:Maize
Start	8201	End	8759
GI	none	Score	60
Exons	8201..8239, 8207..8236, 8311..8424, 8311..8424, 8471..8587, 8490..8585, 8510..8587, 8695..8757, 8696..8758, 8697..8759, 8706..8759		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o2.ts	Method	TBLASTX:Soybean
Start	8697	End	9516
GI	none	Score	111
Exons	8697..8792, 8741..8788, 8818..8868, 8820..8945, 8829..8897, 8831..8902, 8987..9151, 8996..9151, 9001..9153, 9433..9516		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	9110	End	10047
GI	none	Score	74
Exons	9110..9148, 9112..9147, 9439..9516, 9471..9503, 9626..9718, 9631..9858, 9636..9839, 10006..10047		

Seq. No.	41687	Seq. ID	OJ000302_05.0406.C8
Gene No.	86563	Strand	-
Start	16529	End	18230
Name	OJ000302_05.0406.C8.o4.gs	Method	GENSCAN
Start	16529	End	18230
GI	none	Score	.89
Exons	16529..16591, 18219..18230		

Seq. No.	41688	Seq. ID	OJ000302_05.0406.C9
Gene No.	86564	Strand	+
Start	266	End	552
Name	OJ000302_05.0406.C9.o1.gs	Method	GENSCAN
Start	266	End	552
GI	none	Score	.92
Exons	266..398, 545..552		

Seq. No.	41688	Seq. ID	OJ000302_05.0406.C9
Gene No.	86565	Strand	-
Start	887	End	1388

Name	OJ000302_05.0406.C9.o2.gs	Method	GENSCAN
Start	887	End	1388
GI	none	Score	.55
Exons	887..1032, 1283..1388		

Seq. No.	41689	Seq. ID	OJ000302_05.0406.C10
Gene No.	86566	Strand	+
Start	677	End	1940
Name	OJ000302_05.0406.C10.o1.gs	Method	GENSCAN
Start	677	End	1940
GI	none	Score	.55
Exons	677..899, 1172..1284, 1426..1517, 1848..1940		

Seq. No.	41690	Seq. ID	OJ000302_05.0406.C11
Gene No.	86567	Strand	+
Start	777	End	1348
Name	OJ000302_05.0406.C11.o1.gs	Method	GENSCAN
Start	777	End	1348
GI	none	Score	.45
Exons	777..1348		

Seq. No.	41690	Seq. ID	OJ000302_05.0406.C11
Gene No.	86568	Strand	-
Start	1577	End	6086
Name	OJ000302_05.0406.C11.o2.gs	Method	GENSCAN
Start	1577	End	6086
GI	none	Score	.64
Exons	1577..1599, 1657..1710, 2208..2338, 3721..3796, 5641..5923, 6015..6086		

Seq. No.	41690	Seq. ID	OJ000302_05.0406.C11
Gene No.	86569	Strand	-
Start	6608	End	6691
Name	OJ000302_05.0406.C11.o1.np	Method	AAT/NAP
Start	6608	End	6691
GI	5852084	Score	80
Exons	6608..6691		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o1.gs	Method	GENSCAN
Start	299	End	5596
GI	none	Score	.87
Exons	299..416, 922..1043, 2822..2931, 3013..3097, 3368..3458, 3600..3764, 3857..3979, 4127..4202, 4306..4435, 4744..5596		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o1.np	Method	AAT/NAP
Start	753	End	5668
GI	4104929	Score	1478
Exons	753..810, 943..1043, 2426..2524, 2611..2667, 2776..2931, 3013..3097, 3368..3458, 3600..3764, 3857..3979, 4127..4202, 4306..4441, 4744..5032, 5150..5668		

GI Descrip. (AF042195) auxin response factor 7 [Arabidopsis thaliana]

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o1.tc	Method	TBLASTX:Cress
Start	944	End	4886
GI	none	Score	185
Exons	944..1045, 945..1052, 2416..2454, 2423..2455, 2462..2524, 2464..2517, 2610..2660, 2611..2661, 2767..2931, 2775..2924, 2823..2933, 3013..3102, 3017..3109, 3360..3452, 3365..3454, 3366..3458, 3367..3459, 3582..3764, 3598..3765, 3602..3766, 3857..3895, 3858..3911, 3918..3983, 3923..3982, 4113..4205, 4127..4198, 4128..4208, 4303..4374, 4303..4416, 4308..4409, 4308..4436, 4739..4822, 4746..4829, 4833..4886, 4835..4885		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	959	End	2925
GI	none	Score	154
Exons	959..1045, 960..1052, 2416..2517, 2423..2521, 2610..2678, 2611..2673, 2781..2912, 2782..2925, 2806..2910		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o1.ts	Method	TBLASTX:Soybean
Start	2619	End	3087
GI	none	Score	71
Exons	2619..2660, 2620..2661, 2767..2931, 2775..2933, 2799..2951, 3012..3062, 3013..3087, 3019..3087		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o2.tm	Method	TBLASTX:Maize
Start	3013	End	4163
GI	none	Score	151
Exons	3013..3102, 3013..3099, 3357..3458, 3360..3443, 3367..3459, 3570..3764, 3598..3768, 3854..3982, 3855..3983, 3855..3983, 4125..4163		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668
Name	OJ000302_05.0406.C12.o2.ts	Method	TBLASTX:Soybean
Start	3412	End	4374
GI	none	Score	63
Exons	3412..3462, 3600..3764, 3604..3768, 3854..3895, 3855..3911, 3914..3982, 3915..3983, 4121..4195, 4122..4208, 4125..4205, 4302..4361, 4303..4374, 4303..4365, 4305..4373		

Seq. No.	41691	Seq. ID	OJ000302_05.0406.C12
Gene No.	86570	Strand	+
Start	299	End	5668

Name	OJ000302_05.0406.C12.o3.tm	Method	TBLASTX:Maize
Start	4163	End	5632
GI	none	Score	66
Exons	4163..4204, 4164..4196, 4302..4439, 4306..4437, 4737..4892, 4739..4876, 4740..4880, 4874..5038, 4875..4985, 5037..5165, 5567..5632		

Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86571	Strand	+
Start	1	End	2212
Name	OJ000302_05.0406.C13.o1.np	Method	AAT/NAP
Start	1	End	1748
GI	2618731	Score	401
Exons	1..196, 443..696, 1210..1400, 1568..1748		
GI Descrip.	(U49077) IAA21 [Arabidopsis thaliana]		

Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86571	Strand	+
Start	1	End	2212
Name	OJ000302_05.0406.C13.o1.gs	Method	GENSCAN
Start	34	End	2212
GI	none	Score	.89
Exons	34..696, 1210..1400, 1674..1806, 2147..2212		

Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86571	Strand	+
Start	1	End	2212
Name	OJ000302_05.0406.C13.o1.gp	Method	AAT/GAP
Start	300	End	569
GI	none	Score	484
Exons	300..569		

Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o1.tm	Method	TBLASTX:Maize
Start	148	End	1725
GI	none	Score	184
Exons	148..417, 439..699, 471..707, 1209..1343, 1210..1401, 1563..1634, 1568..1636, 1630..1725, 1644..1721		

Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o1.ts	Method	TBLASTX:Soybean
Start	490	End	1700
GI	none	Score	140
Exons	490..651, 497..616, 534..626, 535..639, 658..699, 673..696, 1209..1400, 1209..1343, 1210..1401, 1563..1640, 1568..1639, 1622..1696, 1644..1700		

Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o1.tc	Method	TBLASTX:Cress
Start	553	End	1745
GI	none	Score	65

Exons	553..687, 1206..1343, 1210..1401, 1268..1453, 1294..1398, 1334..1405, 1563..1640, 1568..1651, 1668..1745		
Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o2.gp	Method	AAT/GAP
Start	2329	End	2666
GI	none	Score	618
Exons	2329..2666		
Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o2.gs	Method	GENSCAN
Start	2494	End	3242
GI	none	Score	.96
Exons	2494..2658, 2861..2944, 3150..3242		
Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o2.np	Method	AAT/NAP
Start	2521	End	3242
GI	1703220	Score	184
Exons	2521..2658, 2861..2944, 3150..3242		
GI Descrip.	AIG2 PROTEIN gi|1127806|gb|AAC49283.1| (U40857) AIG2 [Arabidopsis thaliana]		
Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o2.tm	Method	TBLASTX:Maize
Start	2529	End	3257
GI	none	Score	98
Exons	2529..2660, 2529..2660, 2530..2661, 2531..2665, 2855..2950, 2859..2939, 2861..2977, 3140..3253, 3155..3232, 3156..3257, 3159..3245		
Seq. No.	41692	Seq. ID	OJ000302_05.0406.C13
Gene No.	86572	Strand	-
Start	2329	End	3356
Name	OJ000302_05.0406.C13.o3.gp	Method	AAT/GAP
Start	3126	End	3356
GI	LIB3432-034-P2-K1-F11	Score	162
Exons	3126..3242, 3323..3356		
GI Descrip.	'4337197/gb|AAD18111| 1.0e-23 (AC006403) putative AIG2 protein [Arabidopsis thaliana]'		
Seq. No.	41693	Seq. ID	OJ000302_05.0406.C14
Gene No.	86573	Strand	+
Start	79	End	542
Name	OJ000302_05.0406.C14.o1.gs	Method	GENSCAN
Start	79	End	542
GI	none	Score	.96
Exons	79..293, 399..542		

Seq. No.	41693	Seq. ID	OJ000302_05.0406.C14
Gene No.	86574	Strand	-
Start	1	End	396
Name	OJ000302_05.0406.C14.o1.np	Method	AAT/NAP
Start	1	End	248
GI	4337197	Score	73
Exons	1..46, 130..248		
GI Descrip.	(AC006403) AIG2-like protein [Arabidopsis thaliana]		

Seq. No.	41693	Seq. ID	OJ000302_05.0406.C14
Gene No.	86574	Strand	-
Start	1	End	396
Name	OJ000302_05.0406.C14.o1.gp	Method	AAT/GAP
Start	130	End	396
GI	LIB3432-034-P2-K1-F11	Score	477
Exons	130..396		
GI Descrip.	'4337197/gb|AAD18111| 1.0e-23 (AC006403) putative AIG2 protein [Arabidopsis thaliana]'		

Seq. No.	41694	Seq. ID	OJ000302_05.0406.C15
Gene No.	86575	Strand	+
Start	145	End	1207
Name	OJ000302_05.0406.C15.o1.gs	Method	GENSCAN
Start	145	End	1207
GI	none	Score	.69
Exons	145..377, 497..533, 613..650, 1043..1207		

Seq. No.	41694	Seq. ID	OJ000302_05.0406.C15
Gene No.	86575	Strand	+
Start	145	End	1207
Name	OJ000302_05.0406.C15.o1.gp	Method	AAT/GAP
Start	464	End	1207
GI	72996_1.R1084	Score	652
Exons	464..650, 1043..1207		
GI Descrip.	'3800748/gb|AF060519|AF060519 2.0e-09 Cuphea hookeriana 3-ketoacyl-ACP synthase (Kas4) mRNA, complete cds'		

Seq. No.	41694	Seq. ID	OJ000302_05.0406.C15
Gene No.	86575	Strand	+
Start	145	End	1207
Name	OJ000302_05.0406.C15.o1.tm	Method	TBLASTX:Maize
Start	1040	End	1199
GI	none	Score	182
Exons	1040..1114, 1041..1199, 1041..1199		

Seq. No.	41695	Seq. ID	OJ000302_05.0406.C16
Gene No.	86576	Strand	+
Start	553	End	885
Name	OJ000302_05.0406.C16.o1.gs	Method	GENSCAN
Start	553	End	885
GI	none	Score	.83
Exons	553..885		

Seq. No.	41695	Seq. ID	OJ000302_05.0406.C16
Gene No.	86577	Strand	-
Start	1	End	964
Name	OJ000302_05.0406.C16.o2.np	Method	AAT/NAP

Start	1	End	964
GI	4680345	Score	177
Exons	1..67, 810..964		
GI Descrip.	(AF128457) putative receptor kinase [Oryza sativa subsp. indica]		

Seq. No.	41695	Seq. ID	OJ000302_05.0406.C16
Gene No.	86577	Strand	-
Start	1	End	964
Name	OJ000302_05.0406.C16.o1.np	Method	AAT/NAP
Start	700	End	964
GI	7486303	Score	65
Exons	700..782, 868..964		
GI Descrip.	hypothetical protein F28J12.40 - Arabidopsis thaliana gi|2832643|emb|CAA16718.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268631|emb|CAB78840.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41696	Seq. ID	OJ000302_05.0406.C17
Gene No.	86578	Strand	+
Start	110	End	1567
Name	OJ000302_05.0406.C17.o1.gs	Method	GENSCAN
Start	110	End	1567
GI	none	Score	.77
Exons	110..389, 566..856, 1127..1153, 1484..1567		

Seq. No.	41696	Seq. ID	OJ000302_05.0406.C17
Gene No.	86578	Strand	+
Start	110	End	1567
Name	OJ000302_05.0406.C17.o1.gp	Method	AAT/GAP
Start	856	End	1355
GI	4715209	Score	752
Exons	856..954, 1054..1355		

Seq. No.	41696	Seq. ID	OJ000302_05.0406.C17
Gene No.	86579	Strand	+
Start	2215	End	2618
Name	OJ000302_05.0406.C17.o1.np	Method	AAT/NAP
Start	2215	End	2618
GI	6069646	Score	178
Exons	2215..2279, 2307..2381, 2441..2618		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	41696	Seq. ID	OJ000302_05.0406.C17
Gene No.	86580	Strand	-
Start	2248	End	2665
Name	OJ000302_05.0406.C17.o1.tm	Method	TBLASTX:Maize
Start	110	End	391
GI	none	Score	77
Exons	110..184, 111..173, 123..389, 125..391, 157..390, 162..215		

Seq. No.	41696	Seq. ID	OJ000302_05.0406.C17
Gene No.	86580	Strand	-
Start	2248	End	2665

Name	OJ000302_05.0406.C17.o2.gs	Method	GENSCAN
Start	2248	End	2665
GI	none	Score	.95
Exons	2248..2307, 2373..2483, 2597..2665		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86581	Strand	-
Start	1	End	2850
Name	OJ000302_05.0406.C18.o1.gp	Method	AAT/GAP
Start	1	End	1183
GI	30707_1.R1084	Score	970
Exons	1..331, 881..1014, 1136..1183		
GI Descrip.	'3805765 8.0e-69 (AC005693) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86581	Strand	-
Start	1	End	2850
Name	OJ000302_05.0406.C18.o1.np	Method	AAT/NAP
Start	1	End	1873
GI	3805765	Score	812
Exons	1..331, 881..1014, 1133..1271, 1552..1873		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86581	Strand	-
Start	1	End	2850
Name	OJ000302_05.0406.C18.o1.gs	Method	GENSCAN
Start	44	End	2850
GI	none	Score	.96
Exons	44..331, 881..1014, 1136..1271, 1552..1868, 2393..2465, 2794..2850		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86581	Strand	-
Start	1	End	2850
Name	OJ000302_05.0406.C18.o2.gp	Method	AAT/GAP
Start	1715	End	2695
GI	none	Score	842
Exons	1715..1868, 2393..2695		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86582	Strand	-
Start	4495	End	7428
Name	OJ000302_05.0406.C18.o2.gs	Method	GENSCAN
Start	4495	End	7428
GI	none	Score	.99
Exons	4495..7428		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86583	Strand	-
Start	9325	End	9652
Name	OJ000302_05.0406.C18.o3.gs	Method	GENSCAN
Start	9325	End	9652
GI	none	Score	.86
Exons	9325..9501, 9605..9652		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o1.tm	Method	TBLASTX:Maize
Start	29	End	1013
GI	none	Score	359
Exons	29..322, 30..323, 884..1012, 885..1013		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o2.ts	Method	TBLASTX:Soybean
Start	29	End	239
GI	4287022	Score	144
Exons	29..238, 39..239		
GI Descrip.	2852447/dbj_BAA24694_ 1.0e-38 (D88206) protein kinase [Arabidopsis thaliana]		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o1.tc	Method	TBLASTX:Cress
Start	38	End	1021
GI	none	Score	59
Exons	38..100, 39..101, 128..331, 138..323, 881..1021, 885..992		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o1.tw	Method	TBLASTX:Wheat
Start	39	End	1022
GI	none	Score	48
Exons	39..101, 41..100, 128..331, 129..323, 879..1022, 884..1006		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o1.ts	Method	TBLASTX:Soybean
Start	243	End	1728
GI	none	Score	69
Exons	243..323, 245..331, 881..1021, 885..1004, 1134..1271, 1137..1271, 1540..1605, 1618..1728		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o2.tm	Method	TBLASTX:Maize
Start	1124	End	1716
GI	none	Score	102
Exons	1124..1255, 1134..1271, 1137..1265, 1540..1605, 1618..1716		

Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o2.tc	Method	TBLASTX:Cress
Start	1134	End	1725
GI	none	Score	86

Exons	1134..1250, 1134..1268, 1540..1614, 1600..1725		
Seq. No.	41697	Seq. ID	OJ000302_05.0406.C18
Gene No.	86584	Strand	-
Start	10045	End	11004
Name	OJ000302_05.0406.C18.o4.gs	Method	GENSCAN
Start	10045	End	11004
GI	none	Score	.5
Exons	10045..10157, 10212..10477, 10926..11004		
Seq. No.	41698	Seq. ID	OJ000302_07.0407.C1
Gene No.	86585	Strand	-
Start	1	End	2814
Name	OJ000302_07.0407.C1.o1.np	Method	AAT/NAP
Start	1	End	2814
GI	5042454	Score	81
Exons	1..33, 2387..2472, 2735..2814		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	41698	Seq. ID	OJ000302_07.0407.C1
Gene No.	86585	Strand	-
Start	1	End	2814
Name	OJ000302_07.0407.C1.o1.gs	Method	GENSCAN
Start	335	End	2495
GI	none	Score	.62
Exons	335..441, 1773..1827, 2410..2495		
Seq. No.	41698	Seq. ID	OJ000302_07.0407.C1
Gene No.	86585	Strand	-
Start	1	End	2814
Name	OJ000302_07.0407.C1.o2.np	Method	AAT/NAP
Start	2531	End	2814
GI	5042454	Score	74
Exons	2531..2588, 2719..2814		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86586	Strand	+
Start	1128	End	4363
Name	OJ000302_07.0407.C2.o1.gs	Method	GENSCAN
Start	1128	End	4363
GI	none	Score	.86
Exons	1128..2389, 2482..4363		
Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86586	Strand	+
Start	1128	End	4363
Name	OJ000302_07.0407.C2.o1.np	Method	AAT/NAP
Start	1128	End	4360
GI	6907089	Score	4082
Exons	1128..2389, 2482..4360		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86587	Strand	+
Start	16823	End	17020
Name	OJ000302_07.0407.C2.o1.gp	Method	AAT/GAP

Start	16823	End	17020
GI	none	Score	323
Exons	16823..17020		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86588	Strand	+
Start	27814	End	29086
Name	OJ000302_07.0407.C2.o4.np	Method	AAT/NAP
Start	27814	End	29086
GI	7523512	Score	188
Exons	27814..27839, 28964..29086		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86589	Strand	+
Start	29724	End	34665
Name	OJ000302_07.0407.C2.o5.np	Method	AAT/NAP
Start	29724	End	33012
GI	6907089	Score	5024
Exons	29724..30985, 31080..33012		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86589	Strand	+
Start	29724	End	34665
Name	OJ000302_07.0407.C2.o7.gs	Method	GENSCAN
Start	29724	End	34665
GI	none	Score	.94
Exons	29724..30985, 31080..32553, 32611..33001, 34046..34665		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86590	Strand	+
Start	35422	End	35806
Name	OJ000302_07.0407.C2.o4.gp	Method	AAT/GAP
Start	35422	End	35806
GI	uC-osflcyp033a04b1	Score	628
Exons	35422..35806		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86591	Strand	-
Start	5003	End	13865
Name	OJ000302_07.0407.C2.o2.gs	Method	GENSCAN
Start	5003	End	13865
GI	none	Score	.4
Exons	5003..8731, 8795..11176, 11232..11353, 11674..11829, 12001..12077, 13807..13865		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86591	Strand	-
Start	5003	End	13865
Name	OJ000302_07.0407.C2.o2.np	Method	AAT/NAP
Start	5006	End	11158
GI	7228457	Score	9220
Exons	5006..6556, 6623..7774, 7897..8731, 8795..10730, 10792..11158		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86592	Strand	-
Start	17213	End	24233
Name	OJ000302_07.0407.C2.o3.gs	Method	GENSCAN
Start	17213	End	21576
GI	none	Score	.48
Exons	17213..17515, 17863..17923, 18057..18124, 18230..18265, 18393..18566, 18823..18863, 18978..19027, 19140..19228, 19330..19518, 19524..19612, 21160..21291, 21450..21576		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86592	Strand	-
Start	17213	End	24233
Name	OJ000302_07.0407.C2.o3.np	Method	AAT/NAP
Start	17278	End	24233
GI	6137253	Score	1040
Exons	17278..17515, 17863..17923, 18057..18124, 18230..18265, 18393..18561, 18932..19027, 19140..19228, 19330..19404, 19524..19639, 22789..22819, 22969..23155, 23897..24233		
GI Descrip.	HYPOTHETICAL MLO-LIKE PROTEIN F4P9.44/T01B08.26 gi|6598814|gb|AAC69142.2| (U78721) putative Mlo protein [Arabidopsis thaliana]		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86592	Strand	-
Start	17213	End	24233
Name	OJ000302_07.0407.C2.o5.gs	Method	GENSCAN
Start	23325	End	24233
GI	none	Score	.98
Exons	23325..24233		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o8.tm	Method	TBLASTX:Maize
Start	4964	End	5146
GI	none	Score	125
Exons	4964..5146, 4965..5141		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o7.tw	Method	TBLASTX:Wheat
Start	5015	End	5617
GI	none	Score	83
Exons	5015..5140, 5019..5141, 5326..5616, 5333..5617, 5334..5612		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o4.tw	Method	TBLASTX:Wheat
Start	5618	End	5999
GI	none	Score	165
Exons	5618..5998, 5649..5897, 5943..5999		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o2.tm	Method	TBLASTX:Maize
Start	5813	End	6136
GI	none	Score	192
Exons	5813..6136, 5826..6107		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o8.tw	Method	TBLASTX:Wheat
Start	6329	End	6641
GI	none	Score	58
Exons	6329..6580, 6440..6628, 6465..6641		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o5.tw	Method	TBLASTX:Wheat
Start	6644	End	7102
GI	none	Score	87
Exons	6644..6793, 6645..6782, 6647..6784, 6840..7013, 6854..7102, 6854..7078		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o2.ts	Method	TBLASTX:Soybean
Start	7703	End	8074
GI	none	Score	90
Exons	7703..8074, 7914..8057		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o2.tw	Method	TBLASTX:Wheat
Start	7728	End	8152
GI	none	Score	326
Exons	7728..8147, 7733..8152		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o3.tm	Method	TBLASTX:Maize
Start	7826	End	8210
GI	none	Score	219
Exons	7826..8209, 7845..8210		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o1.tm	Method	TBLASTX:Maize
Start	8237	End	8593
GI	none	Score	104
Exons	8237..8470, 8237..8593, 8247..8558		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o1.tw	Method	TBLASTX:Wheat
Start	8261	End	8723
GI	none	Score	401
Exons	8261..8722, 8262..8723		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o4.ts	Method	TBLASTX:Soybean
Start	8318	End	8683
GI	none	Score	117
Exons	8318..8452, 8459..8683		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o3.tw	Method	TBLASTX:Wheat
Start	8888	End	9374
GI	none	Score	172
Exons	8888..9373, 8892..9179, 9201..9374		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o6.tw	Method	TBLASTX:Wheat
Start	10112	End	32221
GI	none	Score	89
Exons	10112..10369, 10146..10385, 10352..10450, 10353..10433, 10457..10504, 32045..32155, 32162..32221		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o7.tm	Method	TBLASTX:Maize
Start	10214	End	10499
GI	none	Score	67
Exons	10214..10498, 10214..10462, 10215..10499		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o4.tm	Method	TBLASTX:Maize
Start	18063	End	19205
GI	none	Score	85
Exons	18063..18125, 18065..18124, 18230..18268, 18232..18303, 18234..18266, 18366..18563, 18385..18567, 18424..18567, 18818..18883, 18820..18870, 18976..19029, 18977..19030, 19140..19205, 19142..19204		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o3.ts	Method	TBLASTX:Soybean

Start	18489	End	19398
GI	none	Score	74
Exons	18489..18563, 18490..18567, 18818..18883, 18820..18870, 18976..19029, 18977..19030, 19140..19256, 19142..19237, 19327..19398		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o2.tc	Method	TBLASTX:Cress
Start	18994	End	22819
GI	none	Score	107
Exons	18994..19044, 19140..19223, 19142..19237, 19145..19225, 19330..19398, 19333..19398, 19524..19613, 22763..22819		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o5.tm	Method	TBLASTX:Maize
Start	19208	End	23088
GI	none	Score	74
Exons	19208..19237, 19327..19404, 19328..19405, 19330..19404, 19519..19614, 19524..19613, 22760..22822, 22767..22820, 22963..23088, 22970..23086		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o1.tc	Method	TBLASTX:Cress
Start	23937	End	24200
GI	none	Score	267
Exons	23937..24200		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o1.ts	Method	TBLASTX:Soybean
Start	23937	End	24203
GI	none	Score	291
Exons	23937..24203		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o6.tm	Method	TBLASTX:Maize
Start	23937	End	24194
GI	none	Score	214
Exons	23937..24194		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o6.gs	Method	GENSCAN
Start	28105	End	29443
GI	none	Score	.65
Exons	28105..28212, 28493..28582, 28682..28754, 29340..29443		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o6.np	Method	AAT/NAP
Start	28965	End	39304
GI	5852180	Score	599
Exons	28965..29026, 34036..34493, 34545..34656, 35649..35702, 39250..39304		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o7.np	Method	AAT/NAP
Start	33821	End	40437
GI	729704	Score	75
Exons	33821..33915, 34031..34318, 38664..38735, 38762..38855, 39853..39933, 40336..40437		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o8.gs	Method	GENSCAN
Start	34854	End	34985
GI	none	Score	.46
Exons	34854..34985		

Seq. No.	41699	Seq. ID	OJ000302_07.0407.C2
Gene No.	86593	Strand	-
Start	28105	End	40437
Name	OJ000302_07.0407.C2.o9.gs	Method	GENSCAN
Start	35633	End	37019
GI	none	Score	.56
Exons	35633..35708, 36904..37019		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86594	Strand	+
Start	1	End	6704
Name	OJ000302_07.0407.C3.o2.np	Method	AAT/NAP
Start	1	End	6704
GI	5852180	Score	638
Exons	1..48, 2448..2588, 3666..3725, 4713..4829, 4881..5290, 5993..6068, 6652..6704		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o1.gs	Method	GENSCAN
Start	872	End	3853
GI	none	Score	.61
Exons	872..1108, 1250..2755, 3788..3853		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o2.tm	Method	TBLASTX:Maize
Start	872	End	1015
GI	none	Score	126
Exons	872..1015, 876..1010		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o1.np	Method	AAT/NAP
Start	875	End	6704
GI	7228457	Score	3208
Exons	875..2425, 2492..2865, 3486..3555, 5076..5270, 5641..5759, 6499..6704		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o3.tw	Method	TBLASTX:Wheat
Start	884	End	1486
GI	none	Score	77
Exons	884..1009, 888..1010, 1176..1484, 1202..1486, 1203..1481		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o1.tw	Method	TBLASTX:Wheat
Start	1487	End	1868
GI	none	Score	160
Exons	1487..1867, 1518..1766, 1526..1864, 1812..1868		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o1.tm	Method	TBLASTX:Maize
Start	1682	End	2005
GI	none	Score	199
Exons	1682..2005, 1695..1976		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o4.tw	Method	TBLASTX:Wheat
Start	2198	End	2510
GI	none	Score	68
Exons	2198..2458, 2334..2510		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o1.ts	Method	TBLASTX:Soybean
Start	2258	End	2824

GI	5666795	Score	68
Exons	2258..2458, 2513..2650, 2726..2824		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o2.tw	Method	TBLASTX:Wheat
Start	2513	End	2872
GI	none	Score	88
Exons	2513..2662, 2514..2651, 2516..2653, 2696..2869, 2706..2870, 2750..2872		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o1.gp	Method	AAT/GAP
Start	3575	End	3958
GI	uC-osflcyp033a04b1	Score	645
Exons	3575..3958		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41700	Seq. ID	OJ000302_07.0407.C3
Gene No.	86595	Strand	-
Start	872	End	6704
Name	OJ000302_07.0407.C3.o2.gs	Method	GENSCAN
Start	4709	End	6650
GI	none	Score	.89
Exons	4709..5409, 6644..6650		

Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86596	Strand	+
Start	2012	End	3335
Name	OJ000302_07.0407.C5.o1.gs	Method	GENSCAN
Start	2012	End	3335
GI	none	Score	.88
Exons	2012..2208, 2268..2423, 2514..2660, 3098..3335		

Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86597	Strand	+
Start	5673	End	9660
Name	OJ000302_07.0407.C5.o3.gp	Method	AAT/GAP
Start	5673	End	5919
GI	3761181	Score	435
Exons	5673..5919		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86597	Strand	+
Start	5673	End	9660
Name	OJ000302_07.0407.C5.o1.np	Method	AAT/NAP
Start	5817	End	9660
GI	7106512	Score	2541
Exons	5817..5876, 5950..6137, 6206..6532, 6598..7582, 8160..8665, 8714..9297, 9346..9507, 9561..9660		

GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86598	Strand	+
Start	11917	End	12161
Name	OJ000302_07.0407.C5.o5.gp	Method	AAT/GAP
Start	11917	End	12161
GI	3761181	Score	413
Exons	11917..12161		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86599	Strand	-
Start	3349	End	3628
Name	OJ000302_07.0407.C5.o1.gp	Method	AAT/GAP
Start	3349	End	3628
GI	6024962	Score	503
Exons	3349..3628		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86600	Strand	-
Start	6231	End	7595
Name	OJ000302_07.0407.C5.o2.gs	Method	GENSCAN
Start	6231	End	7595
GI	none	Score	.41
Exons	6231..6406, 6591..6752, 6803..6931, 7071..7199, 7311..7410, 7434..7595		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86601	Strand	-
Start	8284	End	13062
Name	OJ000302_07.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	2533	End	3206
GI	none	Score	204
Exons	2533..2661, 2556..2663, 2609..2665, 3095..3205, 3096..3206		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86601	Strand	-
Start	8284	End	13062
Name	OJ000302_07.0407.C5.o3.gs	Method	GENSCAN
Start	8284	End	13062
GI	none	Score	.56
Exons	8284..8527, 8568..8689, 8710..9045, 9061..9312, 9328..9465, 10104..10245, 12708..12869, 12890..13062		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5
Gene No.	86601	Strand	-
Start	8284	End	13062
Name	OJ000302_07.0407.C5.o2.np	Method	AAT/NAP
Start	10098	End	10250
GI	7106513	Score	215
Exons	10098..10250		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	41701	Seq. ID	OJ000302_07.0407.C5

Gene No.	86601	Strand	-
Start	8284	End	13062
Name	OJ000302_07.0407.C5.o4.gp	Method	AAT/GAP
Start	11803	End	11908
GI	5816518	Score	155
Exons	11803..11908		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41702	Seq. ID	OJ000302_07.0407.C6
Gene No.	86602	Strand	+
Start	479	End	4001
Name	OJ000302_07.0407.C6.o1.gs	Method	GENSCAN
Start	479	End	4001
GI	none	Score	.75
Exons	479..536, 2256..2596, 2677..3367, 3850..4001		

Seq. No.	41702	Seq. ID	OJ000302_07.0407.C6
Gene No.	86603	Strand	+
Start	5528	End	6151
Name	OJ000302_07.0407.C6.o2.gs	Method	GENSCAN
Start	5528	End	5978
GI	none	Score	.68
Exons	5528..5671, 5749..5796, 5907..5978		

Seq. No.	41702	Seq. ID	OJ000302_07.0407.C6
Gene No.	86603	Strand	+
Start	5528	End	6151
Name	OJ000302_07.0407.C6.o1.np	Method	AAT/NAP
Start	5531	End	6151
GI	3915866	Score	240
Exons	5531..5671, 5749..5796, 5907..5978, 6071..6151		
GI Descrip.	GLUTAMINYL-TRNA SYNTHETASE (GLUTAMINE--TRNA LIGASE) (GLNRS) gi|7437754|pir||T09643 glutamine--tRNA ligase (EC 6.1.1.18) - yellow lupine gi|2995455|emb|CAA62901.1| (X91787) tRNA-glutamine synthetase [Lupinus luteus]		

Seq. No.	41702	Seq. ID	OJ000302_07.0407.C6
Gene No.	86603	Strand	+
Start	5528	End	6151
Name	OJ000302_07.0407.C6.o1.ts	Method	TBLASTX:Soybean
Start	5584	End	6151
GI	none	Score	104
Exons	5584..5679, 5591..5680, 5760..5798, 5761..5808, 5886..5948, 5906..5983, 5906..5980, 6068..6151, 6076..6150		

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.np	Method	AAT/NAP
Start	170	End	3386
GI	3915866	Score	1889
Exons	170..273, 390..451, 562..663, 754..846, 948..1100, 1193..1248, 1376..1553, 1674..1871, 1948..2046, 2157..2288, 2371..2507, 2620..2719, 2826..2921, 3081..3181, 3281..3386		
GI Descrip.	GLUTAMINYL-TRNA SYNTHETASE (GLUTAMINE--TRNA LIGASE) (GLNRS) gi|7437754|pir||T09643 glutamine--tRNA ligase (EC 6.1.1.18) -		

yellow lupine gi|2995455|emb|CAA62901.1| (X91787) tRNA-glutamine synthetase [Lupinus luteus]

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o3.tm	Method	TBLASTX:Maize
Start	176	End	596
GI	none	Score	130
Exons	176..271, 177..272, 180..272, 389..451, 390..452, 391..453,	181..276, 364..408, 388..453, 556..594, 561..596	

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.gs	Method	GENSCAN
Start	178	End	3386
GI	none	Score	.92
Exons	178..273, 390..409, 562..663, 754..846, 948..1100, 1178..1248, 1376..1553, 1674..1871, 2157..2288, 2371..2507, 2620..2719, 2826..2921, 3081..3181, 3281..3386		

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o3.ts	Method	TBLASTX:Soybean
Start	602	End	1088
GI	none	Score	71
Exons	602..664, 745..849, 813..848, 947..1075, 948..1088		

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o2.tm	Method	TBLASTX:Maize
Start	741	End	1260
GI	none	Score	94
Exons	741..848, 745..849, 939..1112, 947..1117, 948..1118, 1149..1247, 1163..1255, 1179..1247, 1186..1260		

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.gp	Method	AAT/GAP
Start	945	End	1554
GI	1631631	Score	652
Exons	945..1100, 1193..1248, 1376..1554		
GI Descrip.	3915866/sp|P52780|SYQ_LUPLU 4.0e-47 GLUTAMINYL-TRNA SYNTHETASE (GLUTAMINE--TRNA LIGASE) (GLNRS) >gi_2995455_emb_CAA62901_ (X91787) tRNA-glutamine synthetase [Lupinus luteus]		

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.ts	Method	TBLASTX:Soybean
Start	1193	End	2039
GI	none	Score	48
Exons	1193..1252, 1194..1250, 1195..1260, 1196..1255, 1357..1548,		

1368..1553, 1373..1543, 1374..1553, 1375..1554, 1663..1866,
1671..1871, 1673..1867, 1941..2039, 1945..2037

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.tm	Method	TBLASTX:Maize
Start	1370	End	3388
GI	none	Score	71

Exons 1370..1393, 1371..1409, 1371..1409, 1425..1556, 1428..1553,
1429..1554, 1436..1582, 1670..1870, 1671..1871, 1941..2048,
1945..2043, 1947..2045, 1955..2047, 2091..2138, 2151..2297,
2156..2296, 2157..2297, 2359..2502, 2368..2505, 2370..2507,
2379..2507, 2579..2713, 2618..2719, 2825..2881, 2826..2924,
2851..2922, 3072..3173, 3080..3190, 3080..3184, 3266..3385,
3279..3386, 3281..3388

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o2.gp	Method	AAT/GAP
Start	1797	End	2395
GI	uC-osf1M202083f05b1	Score	570

Exons 1797..1871, 1948..2046, 2157..2288, 2371..2395

GI Descrip. '3915866/sp|P52780|SYQ_LUPLU 6.0e-51 GLUTAMINYL-TRNA SYNTHETASE
(GLUTAMINE--TRNA LIGASE) (GLNRS) >gi_2995455_emb_CAA62901_
(X91787) tRNA-glutamine synthetase [Lupinus luteus]'

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.tc	Method	TBLASTX:Cress
Start	2151	End	2692
GI	none	Score	189

Exons 2151..2291, 2156..2293, 2169..2294, 2364..2513, 2368..2526,
2648..2692

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o2.ts	Method	TBLASTX:Soybean
Start	2151	End	3386
GI	none	Score	202

Exons 2151..2297, 2157..2288, 2159..2299, 2362..2499, 2364..2513,
2368..2520, 2579..2722, 2618..2722, 2619..2723, 2791..2922,
2826..2924, 2854..2919, 3078..3167, 3081..3173, 3083..3184,
3134..3196, 3266..3382, 3279..3386

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o1.tw	Method	TBLASTX:Wheat
Start	2377	End	3397
GI	none	Score	141

Exons 2377..2505, 2379..2507, 2382..2507, 2615..2722, 2618..2722,
2619..2729, 2824..2922, 2826..2924, 3079..3165, 3080..3184,
3081..3170, 3266..3397, 3279..3386, 3280..3387

Seq. No.	41703	Seq. ID	OJ000302_07.0407.C7
Gene No.	86604	Strand	+
Start	170	End	3397
Name	OJ000302_07.0407.C7.o2.tc	Method	TBLASTX:Cress
Start	3080	End	3397
GI	none	Score	147
Exons	3080..3184, 3081..3173, 3266..3397, 3279..3386		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.np	Method	AAT/NAP
Start	1	End	4106
GI	4680179	Score	4789
Exons	1..2993, 3027..4106		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	595
GI	none	Score	267
Exons	2..595, 9..539		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o2.tm	Method	TBLASTX:Maize
Start	5	End	415
GI	none	Score	165
Exons	5..256, 9..257, 254..415, 261..407		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.gs	Method	GENSCAN
Start	17	End	5162
GI	none	Score	.53
Exons	17..2685, 2915..4103, 4330..4358, 4397..4990, 5033..5162		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o4.tm	Method	TBLASTX:Maize
Start	464	End	755
GI	none	Score	214
Exons	464..754, 468..755		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o2.ts	Method	TBLASTX:Soybean
Start	554	End	814
GI	none	Score	149
Exons	554..814, 555..809		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.tc	Method	TBLASTX:Cress
Start	578	End	895
GI	none	Score	78
Exons	578..721, 579..719, 722..895		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o2.tw	Method	TBLASTX:Wheat
Start	602	End	1166
GI	none	Score	339
Exons	602..1165, 606..1166		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.tm	Method	TBLASTX:Maize
Start	1108	End	1523
GI	none	Score	185
Exons	1108..1521, 1160..1522, 1169..1522, 1173..1523		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o3.tw	Method	TBLASTX:Wheat
Start	1169	End	1594
GI	none	Score	199
Exons	1169..1546, 1169..1594, 1173..1562		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o3.ts	Method	TBLASTX:Soybean
Start	1343	End	1588
GI	none	Score	71
Exons	1343..1588, 1443..1571		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o3.tm	Method	TBLASTX:Maize
Start	1559	End	2059
GI	none	Score	50
Exons	1559..1873, 1602..1652, 1680..1733, 1880..2059, 1905..2051		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o5.tw	Method	TBLASTX:Wheat
Start	1595	End	1897
GI	none	Score	267
Exons	1595..1897, 1611..1895, 1816..1896		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.ts	Method	TBLASTX:Soybean
Start	1609	End	2005
GI	none	Score	188
Exons	1609..1878, 1610..1969, 1611..1901, 1929..1967, 1973..2005		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o4.tw	Method	TBLASTX:Wheat
Start	1946	End	2432
GI	none	Score	195
Exons	1946..2323, 1949..2314, 2004..2432, 2378..2428		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o2.tc	Method	TBLASTX:Cress
Start	1982	End	2299
GI	none	Score	185
Exons	1982..2299		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o5.tm	Method	TBLASTX:Maize
Start	2127	End	2417
GI	none	Score	185
Exons	2127..2417, 2129..2416		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o7.tw	Method	TBLASTX:Wheat
Start	2543	End	2966
GI	none	Score	77
Exons	2543..2710, 2598..2711, 2756..2830, 2824..2910, 2826..2966		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o8.tw	Method	TBLASTX:Wheat
Start	3279	End	3509
GI	none	Score	175
Exons	3279..3509		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o6.tm	Method	TBLASTX:Maize
Start	3324	End	3629
GI	none	Score	90
Exons	3324..3629, 3499..3615		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8

Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o6.tw	Method	TBLASTX:Wheat
Start	3510	End	3872
GI	none	Score	146
Exons	3510..3872, 3511..3870		

Seq. No.	41704	Seq. ID	OJ000302_07.0407.C8
Gene No.	86605	Strand	-
Start	1	End	5162
Name	OJ000302_07.0407.C8.o1.gp	Method	AAT/GAP
Start	4433	End	4887
GI	95437_1.R1084	Score	762
Exons	4433..4887		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.np	Method	AAT/NAP
Start	1	End	2487
GI	136640	Score	310
Exons	1..163, 1475..1563, 2362..2487		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) gi|170785 (M62720) ubiquitin carrier protein [Triticum aestivum]		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.gs	Method	GENSCAN
Start	607	End	8507
GI	none	Score	.85
Exons	607..802, 1475..1563, 2362..2455, 2803..2873, 3353..3520, 4420..4605, 4710..4815, 4907..5043, 5519..5602, 5687..5778, 5887..6169, 6266..6358, 6913..7109, 7168..7338, 7438..7588, 7660..7800, 7890..8063, 8208..8286, 8386..8507		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o2.tc	Method	TBLASTX:Cress
Start	1474	End	2490
GI	none	Score	154
Exons	1474..1563, 1475..1558, 1476..1559, 2359..2490, 2361..2486		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o3.tw	Method	TBLASTX:Wheat
Start	1474	End	2490
GI	none	Score	154
Exons	1474..1563, 1475..1543, 1476..1559, 2351..2479, 2355..2480, 2359..2490, 2361..2486		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o2.tm	Method	TBLASTX:Maize
Start	1474	End	2490
GI	none	Score	154
Exons	1474..1563, 1478..1543, 1479..1571, 2351..2488, 2356..2478, 2358..2486, 2359..2490		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.gp	Method	AAT/GAP
Start	1475	End	2743
GI	14280_1.R1084	Score	878
Exons	1475..1563, 2362..2743		
GI Descrip.	'2104679/emb|CAA66480| 4.0e-76 (X97906) transcription factor [Vicia faba]'		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o3.ts	Method	TBLASTX:Soybean
Start	2342	End	2554
GI	none	Score	87
Exons	2342..2479, 2355..2486, 2359..2508, 2360..2554		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.tm	Method	TBLASTX:Maize
Start	3463	End	7589
GI	none	Score	91
Exons	3463..3519, 3467..3517, 4419..4607, 4420..4605, 4420..4611, 4709..4816, 4709..4816, 4725..4817, 4893..5042, 4894..5070, 5516..5584, 5519..5605, 5521..5619, 5665..5778, 5687..5779, 5911..5970, 5912..5995, 6045..6167, 6080..6169, 6080..6169, 6082..6174, 6265..6354, 6266..6358, 6910..7041, 6912..7082, 6912..7073, 6913..7086, 7027..7110, 7041..7121, 7049..7108, 7184..7336, 7184..7336, 7185..7337, 7186..7338, 7186..7338, 7466..7588, 7467..7589, 7467..7589		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.ts	Method	TBLASTX:Soybean
Start	3463	End	5587
GI	none	Score	87
Exons	3463..3519, 3464..3517, 4420..4614, 4446..4601, 4448..4606, 4724..4816, 4725..4817, 4894..5070, 4906..5019, 5519..5587		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.tc	Method	TBLASTX:Cress
Start	3467	End	7788
GI	none	Score	71

Exons	3467..3517, 4416..4601, 4417..4605, 4420..4605, 4725..4817, 4754..4816, 4894..5043, 4905..5042, 4928..5083, 5512..5628, 5513..5605, 5731..5778, 5732..5818, 5884..5967, 5885..5995, 6080..6169, 6082..6165, 6265..6345, 6266..6358, 6912..7076, 6912..7040, 6913..7086, 7041..7121, 7046..7108, 7184..7234, 7186..7233, 7205..7324, 7241..7342, 7243..7341, 7435..7557, 7436..7588, 7699..7767, 7714..7788, 7734..7787		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o2.np	Method	AAT/NAP
Start	3467	End	8510
GI	7446209	Score	1881
Exons	3467..3520, 4420..4605, 4710..4815, 4907..5043, 5519..5602, 5687..5778, 5887..5995, 6083..6169, 6266..6358, 6913..7109, 7187..7338, 7438..7588, 7702..7800, 7878..8063, 8208..8286, 8386..8510		
GI Descrip.	transcription factor - fava bean gi|2104679|emb|CAA66480.1| (X97906) transcription factor [Vicia faba]		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o2.gp	Method	AAT/GAP
Start	4490	End	5962
GI	2801365	Score	1017
Exons	4490..4605, 4710..4815, 4907..5043, 5519..5602, 5687..5778, 5887..5962		
GI Descrip.	2104679/emb|CAA66480| 4.0e-76 (X97906) transcription factor [Vicia faba]		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o1.tw	Method	TBLASTX:Wheat
Start	4770	End	5950
GI	none	Score	70
Exons	4770..4820, 4773..4817, 4868..5050, 4894..5070, 4906..5019, 5516..5605, 5517..5600, 5517..5612, 5518..5628, 5519..5605, 5661..5738, 5665..5778, 5687..5779, 5884..5949, 5885..5950		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o2.ts	Method	TBLASTX:Soybean
Start	5665	End	7598
GI	none	Score	70
Exons	5665..5739, 5731..5778, 5732..5779, 5756..5776, 5868..5990, 5884..5967, 5885..5995, 5886..5978, 6067..6162, 6080..6169, 6082..6165, 6252..6359, 6266..6358, 6893..7039, 6910..7041, 6912..7040, 6912..7085, 6913..7086, 7041..7121, 7049..7108, 7184..7234, 7185..7220, 7186..7233, 7241..7342, 7243..7341, 7420..7488, 7436..7522, 7490..7588, 7503..7598, 7503..7589		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+

Start	1	End	8516
Name	OJ000302_07.0407.C9.o2.tw	Method	TBLASTX:Wheat
Start	7217	End	7582
GI	none	Score	208
Exons	7217..7336, 7217..7336, 7219..7338, 7219..7338, 7429..7473, 7436..7525, 7469..7582, 7476..7559, 7480..7560		

Seq. No.	41705	Seq. ID	OJ000302_07.0407.C9
Gene No.	86606	Strand	+
Start	1	End	8516
Name	OJ000302_07.0407.C9.o3.tm	Method	TBLASTX:Maize
Start	7699	End	8516
GI	none	Score	154
Exons	7699..7800, 7734..7799, 7889..7921, 7965..8060, 7966..8061, 8184..8288, 8206..8286, 8207..8287, 8379..8516, 8387..8503		

Seq. No.	41706	Seq. ID	OJ000302_07.0407.C10
Gene No.	86607	Strand	+
Start	1	End	1314
Name	OJ000302_07.0407.C10.o1.gp	Method	AAT/GAP
Start	1	End	1277
GI	23992_1.R1084	Score	735
Exons	1..224, 395..475, 1169..1277		
GI Descrip.	'2213583 9.0e-15 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	41706	Seq. ID	OJ000302_07.0407.C10
Gene No.	86607	Strand	+
Start	1	End	1314
Name	OJ000302_07.0407.C10.o1.tm	Method	TBLASTX:Maize
Start	104	End	1261
GI	none	Score	165
Exons	104..226, 114..224, 359..439, 1217..1261		

Seq. No.	41706	Seq. ID	OJ000302_07.0407.C10
Gene No.	86607	Strand	+
Start	1	End	1314
Name	OJ000302_07.0407.C10.o1.gs	Method	GENSCAN
Start	105	End	1253
GI	none	Score	.96
Exons	105..224, 395..475, 1169..1253		

Seq. No.	41706	Seq. ID	OJ000302_07.0407.C10
Gene No.	86607	Strand	+
Start	1	End	1314
Name	OJ000302_07.0407.C10.o1.np	Method	AAT/NAP
Start	108	End	1253
GI	2213583	Score	122
Exons	108..224, 398..483, 1177..1253		
GI Descrip.	(AC000348) T7N9.3 [Arabidopsis thaliana]		

Seq. No.	41706	Seq. ID	OJ000302_07.0407.C10
Gene No.	86607	Strand	+
Start	1	End	1314
Name	OJ000302_07.0407.C10.o1.tc	Method	TBLASTX:Cress
Start	168	End	1314
GI	none	Score	89
Exons	168..224, 170..226, 359..478, 423..479, 1148..1312, 1168..1314		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86608	Strand	+
Start	8950	End	11632
Name	OJ000302_01.0405.C4.o4.np	Method	AAT/NAP
Start	8950	End	11632
GI	4416302	Score	2411
Exons	8950..11632		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86609	Strand	-
Start	1883	End	4226
Name	OJ000302_01.0405.C4.o1.np	Method	AAT/NAP
Start	1883	End	4226
GI	6069653	Score	652
Exons	1883..2008, 2208..2663, 2695..3656, 4161..4226		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86610	Strand	-
Start	5678	End	9231
Name	OJ000302_01.0405.C4.o2.np	Method	AAT/NAP
Start	5678	End	8430
GI	6721516	Score	609
Exons	5678..6006, 6417..6658, 8402..8430		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86610	Strand	-
Start	5678	End	9231
Name	OJ000302_01.0405.C4.o4.ts	Method	TBLASTX:Soybean
Start	6882	End	9063
GI	none	Score	75
Exons	6882..7004, 7068..7400, 8808..8870, 8920..8985, 9010..9063		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86610	Strand	-
Start	5678	End	9231
Name	OJ000302_01.0405.C4.o5.tw	Method	TBLASTX:Wheat
Start	6921	End	7304
GI	none	Score	85
Exons	6921..7049, 6921..7004, 7062..7304, 7076..7165		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86610	Strand	-
Start	5678	End	9231
Name	OJ000302_01.0405.C4.o5.tm	Method	TBLASTX:Maize
Start	8778	End	9138
GI	none	Score	105
Exons	8778..8870, 8780..8872, 8899..9138, 8907..8975, 9003..9131		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86610	Strand	-
Start	5678	End	9231
Name	OJ000302_01.0405.C4.o2.tw	Method	TBLASTX:Wheat
Start	8914	End	9231

GI	none	Score	215
Exons	8914..9231, 8928..9149		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86611	Strand	
Start	9141	End	10397
Name	OJ000302_01.0405.C4.o3.tm	Method	TBLASTX:Maize
Start	9141	End	9530
GI	none	Score	92
Exons	9141..9272, 9142..9270, 9260..9427, 9261..9431, 9265..9426, 9429..9530		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86611	Strand	
Start	9141	End	10397
Name	OJ000302_01.0405.C4.o1.tw	Method	TBLASTX:Wheat
Start	9303	End	9875
GI	none	Score	122
Exons	9303..9416, 9304..9426, 9429..9548, 9462..9557, 9588..9866, 9588..9875		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86611	Strand	
Start	9141	End	10397
Name	OJ000302_01.0405.C4.o2.tm	Method	TBLASTX:Maize
Start	9537	End	10397
GI	none	Score	109
Exons	9537..9608, 9563..9610, 9608..10225, 9609..10226, 10209..10397, 10287..10325		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86611	Strand	
Start	9141	End	10397
Name	OJ000302_01.0405.C4.o3.ts	Method	TBLASTX:Soybean
Start	9717	End	10178
GI	none	Score	331
Exons	9717..10178, 9788..9907, 9974..10126		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86611	Strand	
Start	9141	End	10397
Name	OJ000302_01.0405.C4.o2.tc	Method	TBLASTX:Cress
Start	9762	End	10175
GI	none	Score	196
Exons	9762..10175		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86611	Strand	
Start	9141	End	10397
Name	OJ000302_01.0405.C4.o4.tw	Method	TBLASTX:Wheat
Start	9960	End	10214
GI	none	Score	98
Exons	9960..10028, 10044..10214, 10053..10190, 10054..10212, 10073..10213		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86612	Strand	

Start	10398	End	10741
Name	OJ000302_01.0405.C4.o4.tm	Method	TBLASTX:Maize
Start	10398	End	10699
GI	none	Score	291
Exons	10398..10646, 10418..10699, 10635..10682		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86612	Strand	
Start	10398	End	10741
Name	OJ000302_01.0405.C4.o2.ts	Method	TBLASTX:Soybean
Start	10413	End	10741
GI	5509260	Score	303
Exons	10413..10682, 10506..10676, 10508..10681, 10669..10740, 10670..10741		
GI Descrip.	-		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86613	Strand	
Start	10781	End	10973
Name	OJ000302_01.0405.C4.o6.tm	Method	TBLASTX:Maize
Start	10781	End	10973
GI	none	Score	256
Exons	10781..10972, 10782..10973		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86614	Strand	
Start	10974	End	11712
Name	OJ000302_01.0405.C4.o1.tm	Method	TBLASTX:Maize
Start	10974	End	11712
GI	none	Score	202
Exons	10974..11102, 10976..11101, 10981..11103, 11122..11640, 11123..11626, 11126..11641, 11529..11642, 11529..11651, 11683..11712		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86614	Strand	
Start	10974	End	11712
Name	OJ000302_01.0405.C4.o1.ts	Method	TBLASTX:Soybean
Start	10983	End	11614
GI	none	Score	86
Exons	10983..11102, 11122..11349, 11123..11356, 11126..11356, 11390..11614, 11398..11565		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86614	Strand	
Start	10974	End	11712
Name	OJ000302_01.0405.C4.o1.tc	Method	TBLASTX:Cress
Start	11153	End	11611
GI	none	Score	69
Exons	11153..11242, 11246..11380, 11366..11611, 11392..11559		

Seq. No.	41707	Seq. ID	OJ000302_01.0405.C4
Gene No.	86614	Strand	
Start	10974	End	11712
Name	OJ000302_01.0405.C4.o3.tw	Method	TBLASTX:Wheat
Start	11162	End	11578
GI	none	Score	121

Exons	11162..11371, 11266..11367, 11390..11578, 11446..11565		
Seq. No.	41708	Seq. ID	OJ000302_01.0405.C5
Gene No.	86615	Strand	+
Start	464	End	1926
Name	OJ000302_01.0405.C5.o1.gs	Method	GENSCAN
Start	464	End	1926
GI	none	Score	.43
Exons	464..1571, 1784..1926		
Seq. No.	41708	Seq. ID	OJ000302_01.0405.C5
Gene No.	86616	Strand	-
Start	203	End	3121
Name	OJ000302_01.0405.C5.o1.np	Method	AAT/NAP
Start	203	End	3121
GI	6721516	Score	150
Exons	203..401, 2867..3121		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	41708	Seq. ID	OJ000302_01.0405.C5
Gene No.	86616	Strand	-
Start	203	End	3121
Name	OJ000302_01.0405.C5.o2.gs	Method	GENSCAN
Start	2749	End	3065
GI	none	Score	.75
Exons	2749..2823, 2870..2932, 2961..3065		
Seq. No.	41709	Seq. ID	OJ000302_01.0405.C7
Gene No.	86617	Strand	+
Start	1	End	709
Name	OJ000302_01.0405.C7.o1.np	Method	AAT/NAP
Start	1	End	709
GI	5733874	Score	126
Exons	1..92, 131..317, 678..709		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		
Seq. No.	41709	Seq. ID	OJ000302_01.0405.C7
Gene No.	86617	Strand	+
Start	1	End	709
Name	OJ000302_01.0405.C7.o1.gs	Method	GENSCAN
Start	102	End	338
GI	none	Score	.92
Exons	102..338		
Seq. No.	41710	Seq. ID	OJ000302_01.0405.C8
Gene No.	86618	Strand	+
Start	284	End	415
Name	OJ000302_01.0405.C8.o1.gs	Method	GENSCAN
Start	284	End	415
GI	none	Score	.89
Exons	284..415		
Seq. No.	41711	Seq. ID	OJ000302_01.0405.C9
Gene No.	86619	Strand	+
Start	1977	End	3531
Name	OJ000302_01.0405.C9.o1.np	Method	AAT/NAP
Start	1977	End	3496

GI	140291	Score	152
Exons	1977..2124, 3457..3496		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	41711	Seq. ID	OJ000302_01.0405.C9
Gene No.	86619	Strand	+
Start	1977	End	3531
Name	OJ000302_01.0405.C9.o2.np	Method	AAT/NAP
Start	1977	End	3531
GI	140291	Score	151
Exons	1977..2121, 3471..3531		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	41711	Seq. ID	OJ000302_01.0405.C9
Gene No.	86620	Strand	+
Start	3709	End	6320
Name	OJ000302_01.0405.C9.o1.tm	Method	TBLASTX:Maize
Start	3381	End	5255
GI	none	Score	44
Exons	3381..3413, 3390..3416, 3432..3524, 3433..3522, 3436..3534, 3517..3585, 3531..3584, 3545..3586, 3745..3822, 3759..3824, 3760..3822, 3775..3888, 3804..3887, 4719..4943, 4747..5013, 4747..5019, 4748..5014, 5105..5254, 5106..5255, 5106..5255		

Seq. No.	41711	Seq. ID	OJ000302_01.0405.C9
Gene No.	86620	Strand	+
Start	3709	End	6320
Name	OJ000302_01.0405.C9.o1.gs	Method	GENSCAN
Start	3709	End	5629
GI	none	Score	.75
Exons	3709..3943, 4749..5011, 5107..5253, 5582..5629		

Seq. No.	41711	Seq. ID	OJ000302_01.0405.C9
Gene No.	86620	Strand	+
Start	3709	End	6320
Name	OJ000302_01.0405.C9.o3.np	Method	AAT/NAP
Start	3730	End	6320
GI	3068705	Score	279
Exons	3730..3886, 4749..5011, 5107..5257, 6130..6320		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	41711	Seq. ID	OJ000302_01.0405.C9
Gene No.	86620	Strand	+
Start	3709	End	6320
Name	OJ000302_01.0405.C9.o1.ts	Method	TBLASTX:Soybean
Start	3763	End	5256
GI	none	Score	81
Exons	3763..3888, 4747..4890, 4748..4891, 4906..5013, 4913..5014, 5104..5256		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10

Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	4115931	Score	1496
Exons	1..1154		
GI Descrip.	(AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	5	End	1080
GI	none	Score	218
Exons	5..175, 15..173, 118..177, 119..178, 178..918, 215..238, 226..291, 258..917, 446..922, 918..1079, 919..1080, 919..1080		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o2.ts	Method	TBLASTX:Soybean
Start	14	End	258
GI	none	Score	167
Exons	14..145, 15..152, 75..152, 155..178, 178..258		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o1.gs	Method	GENSCAN
Start	78	End	1152
GI	none	Score	.65
Exons	78..146, 196..1152		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o1.gp	Method	AAT/GAP
Start	211	End	613
GI	uC-osflcyp044f01b1	Score	702
Exons	211..613		
GI Descrip.	'4115931/gb|AAD03441.1| 6.0e-45 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o1.ts	Method	TBLASTX:Soybean
Start	258	End	1163
GI	none	Score	1303
Exons	258..650, 259..1155, 367..795, 714..1163, 714..1154, 892..1155		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o1.tc	Method	TBLASTX:Cress

Start	683	End	1156
GI	none	Score	46
Exons	683..775, 706..1155, 714..1142, 821..1156, 892..1155		

Seq. No.	41712	Seq. ID	OJ000302_01.0405.C10
Gene No.	86621	Strand	+
Start	1	End	1185
Name	OJ000302_01.0405.C10.o2.gp	Method	AAT/GAP
Start	788	End	1185
GI	LIB3432-003-P1-K1-B5	Score	691
Exons	788..1185		
GI Descrip.	'4115931/gb|AAD03441.1| 1.0e-67 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	41713	Seq. ID	OJ000302_01.0405.C13
Gene No.	86622	Strand	+
Start	1	End	1400
Name	OJ000302_01.0405.C13.o1.np	Method	AAT/NAP
Start	1	End	1176
GI	7487683	Score	684
Exons	1..593, 870..954, 1048..1176		
GI Descrip.	hypothetical protein T5F17.40 - Arabidopsis thaliana gi|7269714|emb|CAB81447.1| (AL161573) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41713	Seq. ID	OJ000302_01.0405.C13
Gene No.	86622	Strand	+
Start	1	End	1400
Name	OJ000302_01.0405.C13.o1.gs	Method	GENSCAN
Start	88	End	954
GI	none	Score	.97
Exons	88..593, 870..954		

Seq. No.	41713	Seq. ID	OJ000302_01.0405.C13
Gene No.	86622	Strand	+
Start	1	End	1400
Name	OJ000302_01.0405.C13.o1.tm	Method	TBLASTX:Maize
Start	375	End	1158
GI	none	Score	390
Exons	375..593, 376..594, 520..594, 867..953, 868..954, 869..976, 982..1158, 1047..1142		

Seq. No.	41713	Seq. ID	OJ000302_01.0405.C13
Gene No.	86622	Strand	+
Start	1	End	1400
Name	OJ000302_01.0405.C13.o1.tc	Method	TBLASTX:Cress
Start	415	End	1400
GI	none	Score	49
Exons	415..450, 417..449, 484..594, 519..599, 867..953, 868..954, 874..954, 1000..1158, 1050..1157, 1051..1158, 1065..1160, 1337..1399, 1338..1400		

Seq. No.	41714	Seq. ID	OJ000302_01.0405.C14
Gene No.	86623	Strand	+
Start	4202	End	5162
Name	OJ000302_01.0405.C14.o2.gs	Method	GENSCAN

Start	4202	End	5162
GI	none	Score	.54
Exons	4202..4214, 4842..5162		

Seq. No.	41714	Seq. ID	OJ000302_01.0405.C14
Gene No.	86624	Strand	-
Start	1041	End	3989
Name	OJ000302_01.0405.C14.o1.gs	Method	GENSCAN
Start	1041	End	2903
GI	none	Score	.98
Exons	1041..1505, 2088..2903		

Seq. No.	41714	Seq. ID	OJ000302_01.0405.C14
Gene No.	86624	Strand	-
Start	1041	End	3989
Name	OJ000302_01.0405.C14.o1.tm	Method	TBLASTX:Maize
Start	1045	End	1262
GI	none	Score	125
Exons	1045..1191, 1104..1262, 1119..1262, 1130..1213		

Seq. No.	41714	Seq. ID	OJ000302_01.0405.C14
Gene No.	86624	Strand	-
Start	1041	End	3989
Name	OJ000302_01.0405.C14.o1.np	Method	AAT/NAP
Start	1131	End	3989
GI	6808021	Score	175
Exons	1131..1525, 2070..2348, 3936..3989		
GI Descrip.	(AL137448) hypothetical protein [Homo sapiens]		

Seq. No.	41714	Seq. ID	OJ000302_01.0405.C14
Gene No.	86624	Strand	-
Start	1041	End	3989
Name	OJ000302_01.0405.C14.o2.tm	Method	TBLASTX:Maize
Start	2604	End	2801
GI	none	Score	156
Exons	2604..2756, 2605..2757, 2757..2801		

Seq. No.	41715	Seq. ID	OJ000302_01.0405.C15
Gene No.	86625	Strand	-
Start	3854	End	5169
Name	OJ000302_01.0405.C15.o2.gs	Method	GENSCAN
Start	3854	End	5169
GI	none	Score	.49
Exons	3854..4052, 4980..5169		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86626	Strand	+
Start	1	End	358
Name	OJ000302_01.0405.C16.o1.np	Method	AAT/NAP
Start	1	End	346
GI	3894191	Score	214
Exons	1..346		
GI Descrip.	(AC005662) unknown protein [Arabidopsis thaliana]		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86626	Strand	+
Start	1	End	358

Name	OJ000302_01.0405.C16.o1.gp	Method	AAT/GAP
Start	13	End	275
GI	3548963	Score	434
Exons	13..275		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86626	Strand	+
Start	1	End	358
Name	OJ000302_01.0405.C16.o1.gs	Method	GENSCAN
Start	20	End	358
GI	none	Score	1
Exons	20..358		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86627	Strand	-
Start	3633	End	4035
Name	OJ000302_01.0405.C16.o2.gs	Method	GENSCAN
Start	3633	End	4035
GI	none	Score	.96
Exons	3633..3817, 3906..4035		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86628	Strand	-
Start	4884	End	5502
Name	OJ000302_01.0405.C16.o1.ts	Method	TBLASTX:Soybean
Start	23	End	328
GI	none	Score	139
Exons	23..169, 61..156, 200..280, 281..328		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86628	Strand	-
Start	4884	End	5502
Name	OJ000302_01.0405.C16.o1.tc	Method	TBLASTX:Cress
Start	62	End	363
GI	none	Score	190
Exons	62..280, 82..216, 284..349, 292..363		

Seq. No.	41716	Seq. ID	OJ000302_01.0405.C16
Gene No.	86628	Strand	-
Start	4884	End	5502
Name	OJ000302_01.0405.C16.o3.gs	Method	GENSCAN
Start	4884	End	5502
GI	none	Score	.79
Exons	4884..5502		

Seq. No.	41717	Seq. ID	OJ000302_01.0405.C17
Gene No.	86629	Strand	-
Start	148	End	537
Name	OJ000302_01.0405.C17.o1.gs	Method	GENSCAN
Start	148	End	537
GI	none	Score	.71
Exons	148..283, 443..537		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86630	Strand	+
Start	1	End	876
Name	OJ000302_01.0405.C18.o1.np	Method	AAT/NAP

Start	1	End	867
GI	5123836	Score	1235
Exons	1..867		
GI Descrip.	(AJ006974) NAD-malate dehydrogenase [Nicotiana tabacum]		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86630	Strand	+
Start	1	End	876
Name	OJ000302_01.0405.C18.o1.gs	Method	GENSCAN
Start	60	End	876
GI	none	Score	.72
Exons	60..272, 274..876		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86631	Strand	+
Start	1364	End	1679
Name	OJ000302_01.0405.C18.o1.gp	Method	AAT/GAP
Start	1364	End	1679
GI	uC-osflM2020116g11a1	Score	620
Exons	1364..1679		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	666
GI	none	Score	169
Exons	1..264, 2..283, 3..275, 278..358, 279..383, 280..666, 301..666		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o1.tc	Method	TBLASTX:Cress
Start	2	End	876
GI	none	Score	430
Exons	2..283, 3..275, 279..374, 280..876, 301..777, 444..866		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	867
GI	none	Score	398
Exons	2..283, 3..275, 279..383, 280..867, 444..866		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o3.tw	Method	TBLASTX:Wheat
Start	3	End	203
GI	none	Score	197
Exons	3..203, 17..193		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o2.tw	Method	TBLASTX:Wheat
Start	556	End	849
GI	none	Score	202
Exons	556..747, 558..779, 766..849		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o3.tm	Method	TBLASTX:Maize
Start	667	End	873
GI	none	Score	270
Exons	667..873, 669..872		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o2.gs	Method	GENSCAN
Start	1538	End	2251
GI	none	Score	.76
Exons	1538..2251		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o2.np	Method	AAT/NAP
Start	1550	End	2363
GI	5733874	Score	568
Exons	1550..2363		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o1.tw	Method	TBLASTX:Wheat
Start	1556	End	1951
GI	none	Score	131
Exons	1556..1834, 1584..1832, 1865..1951		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o2.ts	Method	TBLASTX:Soybean
Start	1556	End	2319
GI	none	Score	118
Exons	1556..1834, 1584..1832, 1946..2002, 2033..2242, 2037..2240, 2254..2319		

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o2.tc	Method	TBLASTX:Cress
Start	1601	End	2323
GI	none	Score	113
Exons	1601..1834, 1608..1832, 1904..1951, 1946..2017, 2036..2224,		

2046..2228, 2260..2319, 2282..2323

Seq. No.	41718	Seq. ID	OJ000302_01.0405.C18
Gene No.	86632	Strand	-
Start	1538	End	2363
Name	OJ000302_01.0405.C18.o2.tm	Method	TBLASTX:Maize
Start	1664	End	2361
GI	none	Score	147
Exons	1664..2254, 1670..1972, 2037..2234, 2260..2361		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86633	Strand	+
Start	2317	End	2777
Name	OJ000302_01.0405.C19.o1.gp	Method	AAT/GAP
Start	2317	End	2777
GI	LIB3431-011-P1-N1-F11	Score	918
Exons	2317..2777		
GI Descrip.	'4115931/gb|AAD03441.1| 2.0e-18 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o1.np	Method	AAT/NAP
Start	1	End	1683
GI	5733874	Score	709
Exons	1..76, 184..373, 522..656, 742..839, 941..1107, 1219..1683		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o2.ts	Method	TBLASTX:Soybean
Start	5	End	1525
GI	none	Score	42
Exons	5..79, 6..77, 151..387, 179..361, 530..580, 581..610, 744..836, 745..819, 938..1027, 1062..1109, 1217..1402, 1218..1490, 1463..1525		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o3.tm	Method	TBLASTX:Maize
Start	6	End	376
GI	none	Score	41
Exons	6..65, 8..100, 151..372, 182..376, 182..376		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o1.gs	Method	GENSCAN
Start	184	End	1552
GI	none	Score	.87
Exons	184..373, 522..656, 742..839, 941..1552		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19

Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o2.tm	Method	TBLASTX:Maize
Start	554	End	1580
GI	none	Score	48
Exons	554..613, 555..653, 741..836, 742..849, 938..1060, 942..1031, 1217..1519, 1218..1580		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o3.tc	Method	TBLASTX:Cress
Start	741	End	1184
GI	none	Score	85
Exons	741..836, 745..849, 938..1042, 942..1028, 1164..1184		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o3.np	Method	AAT/NAP
Start	1027	End	3279
GI	6513744	Score	39
Exons	1027..1062, 3173..3279		
GI Descrip.	(AF197727) maturase [Nymphaea sp. Qiu91029]		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o2.tc	Method	TBLASTX:Cress
Start	1238	End	1490
GI	none	Score	161
Exons	1238..1402, 1239..1490		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o1.tm	Method	TBLASTX:Maize
Start	2493	End	2824
GI	none	Score	51
Exons	2493..2546, 2506..2547, 2556..2822, 2557..2823, 2573..2824, 2603..2824		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o1.ts	Method	TBLASTX:Soybean
Start	2540	End	2824
GI	none	Score	72
Exons	2540..2611, 2593..2754, 2603..2824, 2604..2798		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o1.tc	Method	TBLASTX:Cress
Start	2603	End	2824
GI	none	Score	203
Exons	2603..2824, 2604..2801		

Seq. No.	41719	Seq. ID	OJ000302_01.0405.C19
Gene No.	86634	Strand	-
Start	1	End	3695
Name	OJ000302_01.0405.C19.o2.np	Method	AAT/NAP
Start	2606	End	3695
GI	4115931	Score	234
Exons	2606..2821, 3637..3695		
GI Descrip.	(AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]		

Seq. No.	41720	Seq. ID	OJ000302_01.0405.C20
Gene No.	86635	Strand	+
Start	663	End	1278
Name	OJ000302_01.0405.C20.o1.np	Method	AAT/NAP
Start	663	End	1278
GI	7432659	Score	369
Exons	663..1173, 1249..1278		
GI Descrip.	hypothetical protein F23F1.9 - Arabidopsis thaliana gi|3420052|gb|AAC31853.1| (AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	41720	Seq. ID	OJ000302_01.0405.C20
Gene No.	86635	Strand	+
Start	663	End	1278
Name	OJ000302_01.0405.C20.o1.gs	Method	GENSCAN
Start	702	End	1145
GI	none	Score	.74
Exons	702..1145		

Seq. No.	41720	Seq. ID	OJ000302_01.0405.C20
Gene No.	86635	Strand	+
Start	663	End	1278
Name	OJ000302_01.0405.C20.o1.tm	Method	TBLASTX:Maize
Start	797	End	1072
GI	none	Score	365
Exons	797..1072, 798..1070		

Seq. No.	41720	Seq. ID	OJ000302_01.0405.C20
Gene No.	86635	Strand	+
Start	663	End	1278
Name	OJ000302_01.0405.C20.o1.ts	Method	TBLASTX:Soybean
Start	851	End	1043
GI	none	Score	262
Exons	851..1036, 852..1043, 954..1043		

Seq. No.	41720	Seq. ID	OJ000302_01.0405.C20
Gene No.	86635	Strand	+
Start	663	End	1278
Name	OJ000302_01.0405.C20.o1.tc	Method	TBLASTX:Cress
Start	879	End	1067
GI	none	Score	179
Exons	879..1067, 881..1033		

Seq. No.	41720	Seq. ID	OJ000302_01.0405.C20
Gene No.	86635	Strand	+
Start	663	End	1278

Name	OJ000302_01.0405.C20.o1.tw	Method	TBLASTX:Wheat
Start	971	End	1150
GI	none	Score	278
Exons	971..1150, 972..1148		

Seq. No.	41721	Seq. ID	OJ000302_01.0405.C21
Gene No.	86636	Strand	+
Start	354	End	1783
Name	OJ000302_01.0405.C21.o1.np	Method	AAT/NAP
Start	354	End	1783
GI	7432659	Score	679
Exons	354..570, 916..1076, 1155..1220, 1367..1565, 1742..1783		
GI Descrip.	hypothetical protein F23F1.9 - Arabidopsis thaliana gi|3420052|gb|AAC31853.1| (AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	41721	Seq. ID	OJ000302_01.0405.C21
Gene No.	86636	Strand	+
Start	354	End	1783
Name	OJ000302_01.0405.C21.o1.gs	Method	GENSCAN
Start	354	End	1530
GI	none	Score	.94
Exons	354..570, 916..1076, 1155..1220, 1367..1530		

Seq. No.	41721	Seq. ID	OJ000302_01.0405.C21
Gene No.	86636	Strand	+
Start	354	End	1783
Name	OJ000302_01.0405.C21.o1.ts	Method	TBLASTX:Soybean
Start	437	End	1501
GI	none	Score	193
Exons	437..574, 438..590, 444..590, 869..1024, 915..1088, 931..1077, 1043..1084, 1131..1220, 1147..1212, 1154..1231, 1358..1501, 1362..1481, 1366..1485		

Seq. No.	41721	Seq. ID	OJ000302_01.0405.C21
Gene No.	86636	Strand	+
Start	354	End	1783
Name	OJ000302_01.0405.C21.o1.tc	Method	TBLASTX:Cress
Start	906	End	1545
GI	none	Score	261
Exons	906..1088, 914..1084, 915..1088, 1140..1220, 1154..1231, 1358..1531, 1366..1545		

Seq. No.	41721	Seq. ID	OJ000302_01.0405.C21
Gene No.	86636	Strand	+
Start	354	End	1783
Name	OJ000302_01.0405.C21.o1.gp	Method	AAT/GAP
Start	1346	End	1530
GI	2352_1.R1084	Score	296
Exons	1346..1530		
GI Descrip.	'3420052 2.0e-81 (AC004680) putative ubiqinone reductase [Arabidopsis thaliana]'		

Seq. No.	41722	Seq. ID	OJ000302_01.0405.C22
Gene No.	86637	Strand	+
Start	1	End	886
Name	OJ000302_01.0405.C22.o1.np	Method	AAT/NAP

Start	1	End	886
GI	5734585	Score	407
Exons	1..38, 472..651, 737..886		
GI Descrip.	(AJ245861) putative internal rotenone-insensitive NADH dehydrogenase [Solanum tuberosum]		

Seq. No.	41722	Seq. ID	OJ000302_01.0405.C22
Gene No.	86638	Strand	-
Start	470	End	1012
Name	OJ000302_01.0405.C22.o1.tc	Method	TBLASTX:Cress
Start	416	End	889
GI	none	Score	101
Exons	416..553, 453..569, 454..570, 569..658, 570..662, 571..660, 715..876, 715..888, 725..889, 734..889		

Seq. No.	41722	Seq. ID	OJ000302_01.0405.C22
Gene No.	86638	Strand	-
Start	470	End	1012
Name	OJ000302_01.0405.C22.o1.tm	Method	TBLASTX:Maize
Start	463	End	787
GI	none	Score	153
Exons	463..570, 471..569, 570..611, 571..612, 616..651, 617..652, 734..787, 736..786, 746..787		

Seq. No.	41722	Seq. ID	OJ000302_01.0405.C22
Gene No.	86638	Strand	-
Start	470	End	1012
Name	OJ000302_01.0405.C22.o1.gp	Method	AAT/GAP
Start	470	End	1012
GI	2352_1.R1084	Score	795
Exons	470..652, 738..1012		
GI Descrip.	'3420052 2.0e-81 (AC004680) putative ubiqinone reductase [Arabidopsis thaliana]'		

Seq. No.	41722	Seq. ID	OJ000302_01.0405.C22
Gene No.	86638	Strand	-
Start	470	End	1012
Name	OJ000302_01.0405.C22.o1.ts	Method	TBLASTX:Soybean
Start	549	End	889
GI	none	Score	135
Exons	549..656, 556..657, 734..889, 736..885		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o2.tm	Method	TBLASTX:Maize
Start	1703	End	2018
GI	none	Score	72
Exons	1703..1771, 1704..1871, 1707..2018, 1822..2016, 1832..2017		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o1.tm	Method	TBLASTX:Maize
Start	2248	End	2733
GI	none	Score	237
Exons	2248..2517, 2257..2529, 2268..2519, 2273..2530, 2513..2641,		

2521..2640, 2636..2719, 2638..2733, 2638..2724

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o1.tc	Method	TBLASTX:Cress
Start	2512	End	2703
GI	none	Score	153
Exons	2512..2703, 2528..2701		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o1.ts	Method	TBLASTX:Soybean
Start	2512	End	2751
GI	none	Score	149
Exons	2512..2712, 2513..2719, 2524..2751		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o1.tw	Method	TBLASTX:Wheat
Start	2516	End	2763
GI	none	Score	309
Exons	2516..2722, 2518..2763, 2518..2724		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o4.tm	Method	TBLASTX:Maize
Start	2734	End	2937
GI	none	Score	98
Exons	2734..2937, 2774..2914		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o3.tm	Method	TBLASTX:Maize
Start	2989	End	3375
GI	none	Score	78
Exons	2989..3039, 3028..3060, 3109..3162, 3114..3200, 3125..3181, 3164..3196, 3295..3375		

Seq. No.	41723	Seq. ID	OJ000302_01.0405.C23
Gene No.	86639	Strand	-
Start	5028	End	5290
Name	OJ000302_01.0405.C23.o1.gp	Method	AAT/GAP
Start	5028	End	5290
GI	2276034	Score	230
Exons	5028..5112, 5219..5290		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86640	Strand	+
Start	10976	End	16081
Name	OJ000302_01.0405.C24.o4.gs	Method	GENSCAN
Start	10976	End	16081
GI	none	Score	.47

Exons	10976..11011, 11438..11577, 11833..12203, 12571..12666, 12668..12751, 14599..14787, 15894..16081		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86641	Strand	+
Start	18814	End	24215
Name	OJ000302_01.0405.C24.o1.gp	Method	AAT/GAP
Start	18789	End	19070
GI	568939	Score	545
Exons	18789..19070		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86641	Strand	+
Start	18814	End	24215
Name	OJ000302_01.0405.C24.o5.gs	Method	GENSCAN
Start	18814	End	24215
GI	none	Score	.72
Exons	18814..19490, 19639..19810, 20132..20404, 20457..20596, 23852..24215		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86641	Strand	+
Start	18814	End	24215
Name	OJ000302_01.0405.C24.o1.np	Method	AAT/NAP
Start	18898	End	24203
GI	6598934	Score	1041
Exons	18898..19050, 19315..19490, 19639..19802, 20124..20359, 20466..20596, 23852..24203		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86642	Strand	-
Start	3545	End	3674
Name	OJ000302_01.0405.C24.o2.gs	Method	GENSCAN
Start	3545	End	3674
GI	none	Score	.8
Exons	3545..3557, 3601..3674		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86643	Strand	-
Start	4423	End	10602
Name	OJ000302_01.0405.C24.o3.gs	Method	GENSCAN
Start	4423	End	10602
GI	none	Score	.62
Exons	4423..4533, 4710..4908, 5968..6269, 6850..7822, 8078..8242, 8332..8413, 8520..8708, 9919..9971, 10151..10282, 10586..10602		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o2.tm	Method	TBLASTX:Maize
Start	19287	End	19614
GI	none	Score	280
Exons	19287..19496, 19300..19494, 19374..19496, 19519..19614		
Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-

Start	24825	End	25456
Name	OJ000302_01.0405.C24.o2.ts	Method	TBLASTX:Soybean
Start	19314	End	19472
GI	none	Score	218
Exons	19314..19472, 19315..19470		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o1.tw	Method	TBLASTX:Wheat
Start	19447	End	20328
GI	none	Score	79
Exons	19447..19494, 19449..19490, 19630..19773, 19637..19768, 20126..20326, 20131..20328		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o1.tm	Method	TBLASTX:Maize
Start	19667	End	24200
GI	none	Score	148
Exons	19667..19807, 19669..19800, 20129..20329, 20131..20346, 20438..20653, 20439..20594, 23846..23905, 23850..23978, 23994..24200, 23996..24190		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o1.tc	Method	TBLASTX:Cress
Start	20140	End	20597
GI	none	Score	253
Exons	20140..20334, 20141..20332, 20466..20597		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o1.ts	Method	TBLASTX:Soybean
Start	20282	End	24200
GI	none	Score	89
Exons	20282..20344, 20465..20596, 20466..20597, 23855..23974, 23856..23984, 23982..24200, 23996..24196		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o2.tc	Method	TBLASTX:Cress
Start	23988	End	24179
GI	none	Score	233
Exons	23988..24179, 23996..24169, 24009..24179		

Seq. No.	41724	Seq. ID	OJ000302_01.0405.C24
Gene No.	86644	Strand	-
Start	24825	End	25456
Name	OJ000302_01.0405.C24.o6.gs	Method	GENSCAN
Start	24825	End	25456
GI	none	Score	.47
Exons	24825..25032, 25407..25456		

Seq. No.	41725	Seq. ID	OJ000302_01.0405.C25
Gene No.	86645	Strand	-
Start	2148	End	2380
Name	OJ000302_01.0405.C25.o1.np	Method	AAT/NAP
Start	2140	End	2380
GI	6630539	Score	191
Exons	2140..2380		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	41725	Seq. ID	OJ000302_01.0405.C25
Gene No.	86645	Strand	-
Start	2148	End	2380
Name	OJ000302_01.0405.C25.o1.gs	Method	GENSCAN
Start	2148	End	2330
GI	none	Score	.53
Exons	2148..2330		

Seq. No.	41726	Seq. ID	OJ000302_01.0405.C26
Gene No.	86646	Strand	+
Start	10155	End	10707
Name	OJ000302_01.0405.C26.o1.np	Method	AAT/NAP
Start	10066	End	10707
GI	7320709	Score	215
Exons	10066..10373, 10637..10707		
GI Descrip.	(AL161746) putative protein [Arabidopsis thaliana]		

Seq. No.	41726	Seq. ID	OJ000302_01.0405.C26
Gene No.	86646	Strand	+
Start	10155	End	10707
Name	OJ000302_01.0405.C26.o3.gs	Method	GENSCAN
Start	10155	End	10688
GI	none	Score	.44
Exons	10155..10529, 10559..10688		

Seq. No.	41726	Seq. ID	OJ000302_01.0405.C26
Gene No.	86646	Strand	+
Start	10155	End	10707
Name	OJ000302_01.0405.C26.o1.ts	Method	TBLASTX:Soybean
Start	10188	End	10340
GI	none	Score	199
Exons	10188..10340, 10200..10238, 10265..10339		

Seq. No.	41727	Seq. ID	OJ000302_03.0407.C1
Gene No.	86647	Strand	-
Start	12	End	940
Name	OJ000302_03.0407.C1.o1.gp	Method	AAT/GAP
Start	12	End	714
GI	uC-osflcyp067b10a1	Score	936
Exons	12..396, 561..714		
GI Descrip.	'2335108 1.0e-23 (AC002339) putative isulinase [Arabidopsis thaliana]'		

Seq. No.	41727	Seq. ID	OJ000302_03.0407.C1
Gene No.	86647	Strand	-
Start	12	End	940

Name	OJ000302_03.0407.C1.o1.gs	Method	GENSCAN
Start	136	End	683
GI	none	Score	.74
Exons	136..396, 561..683		

Seq. No.	41727	Seq. ID	OJ000302_03.0407.C1
Gene No.	86647	Strand	-
Start	12	End	940
Name	OJ000302_03.0407.C1.o1.tm	Method	TBLASTX:Maize
Start	140	End	689
GI	none	Score	133
Exons	140..175, 158..397, 162..338, 166..399, 167..340, 175..402, 549..683, 555..689, 560..685		

Seq. No.	41727	Seq. ID	OJ000302_03.0407.C1
Gene No.	86647	Strand	-
Start	12	End	940
Name	OJ000302_03.0407.C1.o1.np	Method	AAT/NAP
Start	151	End	940
GI	6706417	Score	141
Exons	151..435, 892..940		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	41727	Seq. ID	OJ000302_03.0407.C1
Gene No.	86647	Strand	-
Start	12	End	940
Name	OJ000302_03.0407.C1.o2.np	Method	AAT/NAP
Start	153	End	940
GI	2335108	Score	239
Exons	153..385, 550..681, 896..940		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o1.np	Method	AAT/NAP
Start	1	End	5461
GI	2335108	Score	1159
Exons	1..133, 1382..1590, 1699..1900, 2564..2668, 2844..2905, 3037..3226, 3338..3433, 3585..3687, 4089..4192, 4425..4511, 5106..5191, 5290..5461		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o2.tm	Method	TBLASTX:Maize
Start	8	End	1750
GI	none	Score	122
Exons	8..142, 9..140, 14..142, 1376..1591, 1380..1592, 1697..1750, 1698..1748		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o1.gs	Method	GENSCAN
Start	9	End	5186

GI	none	Score	.87
Exons	9..172, 1382..1590, 1699..1900, 2564..2668, 2844..2905, 3037..3145, 3338..3433, 3585..3687, 4089..4192, 5106..5186		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o2.tc	Method	TBLASTX:Cress
Start	1496	End	2656
GI	none	Score	115
Exons	1496..1597, 1694..1903, 1697..1903, 2558..2656, 2564..2656		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o1.ts	Method	TBLASTX:Soybean
Start	1541	End	4198
GI	none	Score	76
Exons	1541..1609, 1697..1903, 1739..1903, 2561..2659, 2564..2671, 2841..2906, 3038..3256, 3039..3245, 3329..3436, 3330..3419, 3585..3692, 3589..3690, 4079..4198		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o1.tm	Method	TBLASTX:Maize
Start	1826	End	5408
GI	none	Score	85
Exons	1826..1903, 1826..1903, 1830..1907, 1831..1908, 1831..1908, 2550..2669, 2562..2669, 2563..2685, 2564..2671, 2834..2902, 2840..2884, 2842..2904, 2995..3216, 3029..3214, 3037..3216, 3038..3229, 3039..3230, 3042..3227, 3329..3418, 3329..3436, 3336..3455, 3585..3686, 3585..3689, 3586..3690, 4088..4198, 4089..4193, 4090..4197, 4091..4228, 4425..4514, 4426..4512, 4433..4516, 5091..5192, 5106..5192, 5270..5407, 5295..5384, 5295..5408		

Seq. No.	41728	Seq. ID	OJ000302_03.0407.C2
Gene No.	86648	Strand	-
Start	1	End	5461
Name	OJ000302_03.0407.C2.o1.tc	Method	TBLASTX:Cress
Start	3034	End	3436
GI	none	Score	131
Exons	3034..3207, 3038..3220, 3039..3209, 3338..3436		

Seq. No.	41729	Seq. ID	OJ000302_03.0407.C3
Gene No.	86649	Strand	+
Start	1046	End	2094
Name	OJ000302_03.0407.C3.o1.np	Method	AAT/NAP
Start	1046	End	2094
GI	7486204	Score	188
Exons	1046..1284, 2017..2094		
GI Descrip.	hypothetical protein F26K10.70 - Arabidopsis thaliana gi|7269673|emb|CAB79621.1| (AL161572) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41729	Seq. ID	OJ000302_03.0407.C3

Gene No.	86649	Strand	+
Start	1046	End	2094
Name	OJ000302_03.0407.C3.o1.gs	Method	GENSCAN
Start	1050	End	1688
GI	none	Score	.86
Exons	1050..1257, 1650..1688		

Seq. No.	41729	Seq. ID	OJ000302_03.0407.C3
Gene No.	86649	Strand	+
Start	1046	End	2094
Name	OJ000302_03.0407.C3.o1.ts	Method	TBLASTX:Soybean
Start	1077	End	1271
GI	none	Score	262
Exons	1077..1121, 1083..1271, 1136..1255		

Seq. No.	41729	Seq. ID	OJ000302_03.0407.C3
Gene No.	86649	Strand	+
Start	1046	End	2094
Name	OJ000302_03.0407.C3.o1.tc	Method	TBLASTX:Cress
Start	1083	End	1259
GI	none	Score	235
Exons	1083..1259		

Seq. No.	41730	Seq. ID	OJ000302_03.0407.C4
Gene No.	86650	Strand	+
Start	201	End	2610
Name	OJ000302_03.0407.C4.o1.np	Method	AAT/NAP
Start	201	End	2610
GI	7486204	Score	555
Exons	201..527, 2393..2610		
GI Descrip.	hypothetical protein F26K10.70 - Arabidopsis thaliana gi|7269673|emb|CAB79621.1| (AL161572) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41730	Seq. ID	OJ000302_03.0407.C4
Gene No.	86650	Strand	+
Start	201	End	2610
Name	OJ000302_03.0407.C4.o1.gs	Method	GENSCAN
Start	203	End	701
GI	none	Score	.55
Exons	203..527, 677..701		

Seq. No.	41730	Seq. ID	OJ000302_03.0407.C4
Gene No.	86651	Strand	-
Start	1990	End	2631
Name	OJ000302_03.0407.C4.o1.ts	Method	TBLASTX:Soybean
Start	234	End	405
GI	none	Score	110
Exons	234..404, 234..332, 235..405, 280..405		

Seq. No.	41730	Seq. ID	OJ000302_03.0407.C4
Gene No.	86651	Strand	-
Start	1990	End	2631
Name	OJ000302_03.0407.C4.o1.tm	Method	TBLASTX:Maize
Start	300	End	2567
GI	none	Score	354
Exons	300..332, 301..528, 301..528, 390..563, 2259..2372, 2438..2488,		

2440..2517, 2472..2516, 2514..2567, 2515..2565

Seq. No.	41730	Seq. ID	OJ000302_03.0407.C4
Gene No.	86651	Strand	-
Start	1990	End	2631
Name	OJ000302_03.0407.C4.o2.gs	Method	GENSCAN
Start	1990	End	2631
GI	none	Score	.71
Exons	1990..2113, 2324..2631		

Seq. No.	41731	Seq. ID	OJ000302_03.0407.C5
Gene No.	86652	Strand	+
Start	223	End	391
Name	OJ000302_03.0407.C5.o1.gs	Method	GENSCAN
Start	223	End	391
GI	none	Score	.84
Exons	223..288, 329..391		

Seq. No.	41731	Seq. ID	OJ000302_03.0407.C5
Gene No.	86653	Strand	-
Start	2895	End	3050
Name	OJ000302_03.0407.C5.o2.gs	Method	GENSCAN
Start	2895	End	3050
GI	none	Score	.95
Exons	2895..3050		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86654	Strand	+
Start	1986	End	4875
Name	OJ000302_03.0407.C6.o1.gp	Method	AAT/GAP
Start	1986	End	3038
GI	uC-osf1M202039e12b1	Score	625
Exons	1986..2145, 2760..2829, 2919..3038		
GI Descrip.	'3169178/gb|AAC17821.1| 2.0e-09 (AC004401) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86654	Strand	+
Start	1986	End	4875
Name	OJ000302_03.0407.C6.o1.np	Method	AAT/NAP
Start	2087	End	4875
GI	7413602	Score	1432
Exons	2087..2148, 2763..2829, 2919..3435, 3466..3649, 3698..4265, 4366..4566, 4654..4875		
GI Descrip.	(AL163002) photoreceptor-interacting protein-like [Arabidopsis thaliana]		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86654	Strand	+
Start	1986	End	4875
Name	OJ000302_03.0407.C6.o1.gs	Method	GENSCAN
Start	2767	End	4869
GI	none	Score	.85
Exons	2767..2829, 2919..4265, 4366..4869		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-

Start	5433	End	18234
Name	OJ000302_03.0407.C6.o3.ts	Method	TBLASTX:Soybean
Start	2758	End	3299
GI	none	Score	65
Exons	2758..2829, 2916..2987, 3015..3197, 3071..3196, 3198..3299		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o1.tw	Method	TBLASTX:Wheat
Start	2761	End	3128
GI	none	Score	128
Exons	2761..2841, 2761..2835, 2915..2977, 2916..2984, 3006..3119, 3027..3128		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o6.tm	Method	TBLASTX:Maize
Start	2764	End	3299
GI	none	Score	67
Exons	2764..2829, 2916..2966, 3009..3209, 3071..3214, 3203..3271, 3204..3299		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o6.tc	Method	TBLASTX:Cress
Start	2773	End	3214
GI	none	Score	63
Exons	2773..2829, 3015..3206, 3071..3214		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o7.tm	Method	TBLASTX:Maize
Start	3494	End	3857
GI	none	Score	179
Exons	3494..3640, 3495..3647, 3731..3856, 3732..3857		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o1.ts	Method	TBLASTX:Soybean
Start	3501	End	4575
GI	none	Score	127
Exons	3501..3644, 3783..4067, 3807..3998, 4107..4265, 4109..4264, 4363..4575		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o3.tm	Method	TBLASTX:Maize
Start	3972	End	4779
GI	none	Score	44
Exons	3972..4022, 4094..4261, 4095..4265, 4363..4560, 4419..4553, 4708..4779		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o1.tc	Method	TBLASTX:Cress
Start	4089	End	4539
GI	none	Score	242
Exons	4089..4265, 4094..4261, 4369..4539		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o4.tw	Method	TBLASTX:Wheat
Start	4116	End	4452
GI	none	Score	135
Exons	4116..4265, 4363..4452		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.gp	Method	AAT/GAP
Start	5261	End	7736
GI	75825_1.R1084	Score	1206
Exons	5261..5519, 5790..5855, 6092..6140, 6511..6578, 6707..6752, 6840..6933, 7030..7092, 7688..7736		
GI Descrip.	'4454464/gb|AAD20911| 4.0e-75 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o4.tc	Method	TBLASTX:Cress
Start	5422	End	9549
GI	none	Score	100
Exons	5422..5529, 5439..5525, 5790..5855, 5794..5856, 6713..6754, 6714..6758, 6839..6895, 6840..6893, 6890..6934, 6891..6944, 7025..7099, 7029..7094, 9481..9549		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o5.tm	Method	TBLASTX:Maize
Start	5427	End	10455
GI	none	Score	121
Exons	5427..5525, 5428..5520, 5433..5525, 5790..5855, 5790..5855, 5794..5856, 6089..6142, 6510..6593, 6511..6573, 6513..6578, 6704..6754, 6711..6755, 6711..6755, 6825..6944, 6839..6934, 6840..6935, 7014..7094, 7025..7093, 7686..7811, 7688..7813, 7701..7811, 7705..7812, 9065..9118, 9427..9537, 9434..9457, 9482..9544, 10396..10455		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o5.tw	Method	TBLASTX:Wheat
Start	5428	End	6865
GI	none	Score	107

Exons	5428..5520, 5430..5522, 5433..5522, 5790..5855, 5790..5855, 5794..5856, 5794..5856, 6060..6140, 6089..6142, 6513..6578, 6513..6593, 6704..6754, 6711..6755, 6711..6755, 6839..6865		
Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.gs	Method	GENSCAN
Start	5433	End	18234
GI	none	Score	.83
Exons	5433..5519, 5790..5855, 6092..6140, 6511..6578, 6707..6752, 6867..6933, 7688..7810, 8340..8373, 9054..9116, 9427..9537, 10396..10513, 10702..10795, 10837..10967, 12157..12273, 12563..12675, 12767..12841, 13452..13636, 14295..14324, 14446..15129, 15246..15417, 15484..15627, 15705..15779, 16186..16256, 16524..16853, 17818..18234		
Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.ts	Method	TBLASTX:Soybean
Start	5433	End	10452
GI	none	Score	114
Exons	5433..5525, 5440..5529, 5790..5855, 6513..6593, 6514..6567, 6704..6754, 6705..6758, 6839..6934, 6858..6944, 7025..7093, 7029..7094, 7686..7811, 7691..7819, 7701..7811, 7705..7818, 9430..9462, 9469..9549, 10399..10452		
Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.np	Method	AAT/NAP
Start	5436	End	10452
GI	7109232	Score	1180
Exons	5436..5519, 5790..5855, 6092..6140, 6511..6578, 6707..6752, 6840..6933, 7030..7092, 7688..7810, 8340..8373, 9054..9116, 9427..9537, 10396..10452		
GI Descrip.	(AF225922) secretory carrier membrane protein [Oryza sativa]		
Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o4.np	Method	AAT/NAP
Start	6719	End	18178
GI	2443881	Score	1049
Exons	6719..6743, 15239..15417, 15484..15627, 15705..15779, 16186..16256, 16524..16853, 17818..17947, 18005..18178		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		
Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o3.tw	Method	TBLASTX:Wheat
Start	7040	End	7813
GI	none	Score	143
Exons	7040..7093, 7686..7811, 7688..7813, 7701..7811, 7705..7812		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o3.tc	Method	TBLASTX:Cress
Start	7686	End	9468
GI	none	Score	77
Exons	7686..7811, 7688..7795, 7705..7812, 9421..9468		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o3.gp	Method	AAT/GAP
Start	7766	End	10476
GI	286756	Score	576
Exons	7766..7810, 8340..8373, 9054..9116, 9427..9537, 10396..10476		
GI Descrip.	2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o3.np	Method	AAT/NAP
Start	11147	End	16032
GI	5734734	Score	193
Exons	11147..11169, 15484..15627, 15705..15831, 15997..16032		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o4.gp	Method	AAT/GAP
Start	11367	End	11937
GI	2280902	Score	712
Exons	11367..11678, 11865..11937		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.tw	Method	TBLASTX:Wheat
Start	11867	End	14215
GI	none	Score	122
Exons	11867..11911, 11868..11936, 11868..11939, 12156..12275, 12156..12275, 12157..12282, 12541..12675, 12552..12647, 12554..12673, 12562..12681, 12764..12847, 12765..12842, 12767..12844, 13449..13577, 13449..13577, 13453..13626, 13453..13578, 13454..13627, 14076..14213, 14082..14213, 14089..14214, 14093..14215		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.tm	Method	TBLASTX:Maize
Start	12155	End	14858
GI	none	Score	110
Exons	12155..12274, 12156..12275, 12156..12275, 12157..12282, 12554..12673, 12562..12675, 12562..12675, 12764..12874, 12765..12842, 12766..12843, 13449..13574, 13449..13577,		

13453..13578, 13453..13581, 13454..13627, 14094..14213,
14095..14214, 14102..14215, 14296..14346, 14297..14350,
14436..14507, 14438..14554, 14447..14509, 14471..14857,
14563..14718, 14571..14858

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o5.gp	Method	AAT/GAP
Start	12642	End	14537
GI	40306_1.R1084	Score	899
Exons	12642..12675, 12767..12841, 13452..13577, 14076..14212, 14295..14351, 14446..14537		
GI Descrip.	'2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o1.tm	Method	TBLASTX:Maize
Start	14861	End	15842
GI	none	Score	70
Exons	14861..15016, 14868..15122, 14870..15130, 14871..15038, 14875..15126, 15246..15416, 15248..15418, 15250..15423, 15463..15627, 15479..15628, 15486..15629, 15487..15630, 15702..15785, 15702..15842, 15703..15807		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o2.tc	Method	TBLASTX:Cress
Start	15484	End	15756
GI	none	Score	101
Exons	15484..15627, 15491..15622, 15702..15755, 15709..15756		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o4.tm	Method	TBLASTX:Maize
Start	16177	End	17941
GI	none	Score	74
Exons	16177..16254, 16186..16257, 16187..16258, 16519..16833, 16523..16813, 16597..16851, 17819..17941, 17828..17923		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o5.tc	Method	TBLASTX:Cress
Start	16186	End	17941
GI	none	Score	83
Exons	16186..16257, 16187..16258, 16519..16650, 16523..16651, 16546..16776, 16633..16854, 17828..17941		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o4.ts	Method	TBLASTX:Soybean

Start	16519	End	17932
GI	none	Score	61
Exons	16519..16851, 16519..16779, 16522..16836, 16565..16654, 16586..16837, 16615..16851, 16681..16842, 17813..17932, 17813..17932		

Seq. No.	41732	Seq. ID	OJ000302_03.0407.C6
Gene No.	86655	Strand	-
Start	5433	End	18234
Name	OJ000302_03.0407.C6.o8.tm	Method	TBLASTX:Maize
Start	17997	End	18160
GI	none	Score	201
Exons	17997..18146, 18004..18147, 18018..18146, 18023..18160		

Seq. No.	41733	Seq. ID	OJ000302_03.0407.C7
Gene No.	86656	Strand	+
Start	85	End	1961
Name	OJ000302_03.0407.C7.o1.gs	Method	GENSCAN
Start	85	End	1961
GI	none	Score	.61
Exons	85..149, 1618..1961		

Seq. No.	41734	Seq. ID	OJ000302_03.0407.C8
Gene No.	86657	Strand	+
Start	1	End	2122
Name	OJ000302_03.0407.C8.o1.np	Method	AAT/NAP
Start	1	End	2122
GI	7339707	Score	110
Exons	1..29, 1091..1354, 1593..1719, 2076..2122		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	41734	Seq. ID	OJ000302_03.0407.C8
Gene No.	86657	Strand	+
Start	1	End	2122
Name	OJ000302_03.0407.C8.o1.gs	Method	GENSCAN
Start	157	End	1769
GI	none	Score	.69
Exons	157..247, 427..580, 753..941, 1612..1769		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o1.np	Method	AAT/NAP
Start	512	End	1569
GI	6721543	Score	171
Exons	512..640, 1453..1569		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o1.gs	Method	GENSCAN
Start	1129	End	1913
GI	none	Score	.71
Exons	1129..1684, 1753..1913		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9

Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o3.np	Method	AAT/NAP
Start	1129	End	1987
GI	7228442	Score	1004
Exons	1129..1733, 1966..1987		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o2.np	Method	AAT/NAP
Start	1582	End	1733
GI	5441880	Score	231
Exons	1582..1733		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o2.gp	Method	AAT/GAP
Start	1738	End	3555
GI	LIB3431-045-P1-N1-A10	Score	821
Exons	1738..2081, 3446..3555		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o2.gs	Method	GENSCAN
Start	2140	End	6158
GI	none	Score	.62
Exons	2140..2142, 2326..2484, 2551..2628, 3822..3926, 4498..4560, 4706..4966, 5793..5982, 6130..6158		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86658	Strand	+
Start	512	End	6158
Name	OJ000302_03.0407.C9.o4.np	Method	AAT/NAP
Start	2326	End	3059
GI	7228438	Score	973
Exons	2326..2628, 2799..3059		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86659	Strand	+
Start	15477	End	15794
Name	OJ000302_03.0407.C9.o3.gp	Method	AAT/GAP
Start	15477	End	15794
GI	2442658	Score	545

Exons	15477..15794		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86660	Strand	+
Start	16104	End	16677
Name	OJ000302_03.0407.C9.o4.gp	Method	AAT/GAP
Start	16104	End	16677
GI	3762949	Score	1034
Exons	16104..16677		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86661	Strand	+
Start	20443	End	21297
Name	OJ000302_03.0407.C9.o6.gs	Method	GENSCAN
Start	20443	End	21297
GI	none	Score	.75
Exons	20443..21297		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86662	Strand	+
Start	24793	End	30438
Name	OJ000302_03.0407.C9.o10.np	Method	AAT/NAP
Start	24793	End	30438
GI	7228438	Score	1040
Exons	24793..24824, 26234..26815, 28374..28469, 28555..28994, 30407..30438		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86662	Strand	+
Start	24793	End	30438
Name	OJ000302_03.0407.C9.o8.gs	Method	GENSCAN
Start	24861	End	29768
GI	none	Score	.43
Exons	24861..24955, 24996..25121, 25291..25372, 26024..27469, 27954..28027, 28103..28257, 28315..28469, 28555..28713, 28846..28968, 29448..29768		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86662	Strand	+
Start	24793	End	30438
Name	OJ000302_03.0407.C9.o11.np	Method	AAT/NAP
Start	26234	End	30438
GI	7228438	Score	1032
Exons	26234..26815, 28374..28469, 28555..28994, 30407..30438		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86662	Strand	+
Start	24793	End	30438
Name	OJ000302_03.0407.C9.o9.np	Method	AAT/NAP
Start	26746	End	28907
GI	4559351	Score	128

Exons	26746..26963, 28186..28450, 28564..28907		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86663	Strand	-
Start	526	End	690
Name	OJ000302_03.0407.C9.o1.gp	Method	AAT/GAP
Start	526	End	690
GI	7406_1.R1084	Score	225
Exons	526..690		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86664	Strand	-
Start	6476	End	12220
Name	OJ000302_03.0407.C9.o3.gs	Method	GENSCAN
Start	6476	End	12220
GI	none	Score	.77
Exons	6476..6661, 6739..6772, 7272..7523, 7607..8447, 9047..9685, 10318..11078, 11850..12220		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86664	Strand	-
Start	6476	End	12220
Name	OJ000302_03.0407.C9.o5.np	Method	AAT/NAP
Start	10408	End	11151
GI	4680203	Score	493
Exons	10408..11151		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86665	Strand	-
Start	17053	End	19002
Name	OJ000302_03.0407.C9.o5.gs	Method	GENSCAN
Start	17053	End	19002
GI	none	Score	.56
Exons	17053..17157, 17228..17359, 17365..17578, 18059..18194, 18356..18440, 18622..19002		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o1.tw	Method	TBLASTX:Wheat
Start	10334	End	11430
GI	none	Score	71
Exons	10334..10402, 10409..10513, 10416..10508, 10526..10630, 10544..10600, 10619..10774, 10635..10781, 10787..11041, 11030..11296, 11056..11430		
Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o3.tm	Method	TBLASTX:Maize
Start	10638	End	10933
GI	none	Score	69
Exons	10638..10751, 10640..10759, 10763..10933		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o1.tc	Method	TBLASTX:Cress
Start	10829	End	11251
GI	none	Score	94
Exons	10829..11041, 11030..11251, 11056..11241		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o2.tm	Method	TBLASTX:Maize
Start	11182	End	11425
GI	none	Score	207
Exons	11182..11424, 11186..11425, 11264..11425		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o2.tw	Method	TBLASTX:Wheat
Start	11435	End	11881
GI	none	Score	39
Exons	11435..11542, 11501..11536, 11571..11825, 11591..11881		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o1.ts	Method	TBLASTX:Soybean
Start	11586	End	11869
GI	none	Score	108
Exons	11586..11846, 11591..11869		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o6.np	Method	AAT/NAP
Start	20283	End	24580
GI	6907089	Score	4486
Exons	20283..20302, 21554..23223, 23319..24580		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o1.tm	Method	TBLASTX:Maize
Start	21121	End	21558
GI	none	Score	307
Exons	21121..21555, 21126..21248, 21300..21524, 21346..21558		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o3.tw	Method	TBLASTX:Wheat
Start	21415	End	26452
GI	none	Score	155
Exons	21415..21558, 21418..21555, 26278..26346, 26279..26452,		

26301..26441

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o7.gs	Method	GENSCAN
Start	21432	End	24580
GI	none	Score	.9
Exons	21432..22547, 22608..23223, 23319..24580		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o8.np	Method	AAT/NAP
Start	23779	End	26242
GI	5922623	Score	207
Exons	23779..23810, 25393..25468, 25636..25789, 26168..26242		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86666	Strand	-
Start	20283	End	26452
Name	OJ000302_03.0407.C9.o7.np	Method	AAT/NAP
Start	25210	End	25344
GI	7523512	Score	124
Exons	25210..25344		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41735	Seq. ID	OJ000302_03.0407.C9
Gene No.	86667	Strand	
Start	28194	End	28376
Name	OJ000302_03.0407.C9.o4.tw	Method	TBLASTX:Wheat
Start	28194	End	28376
GI	none	Score	92
Exons	28194..28247, 28208..28258, 28256..28375, 28257..28376		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86668	Strand	+
Start	5436	End	14961
Name	OJ000302_03.0407.C10.o2.gs	Method	GENSCAN
Start	5436	End	14961
GI	none	Score	.81
Exons	5436..5570, 6212..6280, 7243..7299, 7654..7720, 7820..7963, 8055..8264, 8361..9301, 9980..10102, 10184..10261, 10361..11258, 12203..12333, 12788..13009, 13494..14048, 14122..14331, 14857..14961		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86668	Strand	+
Start	5436	End	14961
Name	OJ000302_03.0407.C10.o1.np	Method	AAT/NAP
Start	5735	End	14786
GI	2443887	Score	1877
Exons	5735..5805, 9061..9301, 10031..10102, 10184..10261, 10361..11262, 12207..12333, 12788..12938, 13450..13706,		

13737..14048, 14122..14360, 14753..14786
GI Descrip. (AC002294) Similar to transcription factor gb|Z46606|1658307 and others [Arabidopsis thaliana]

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86668	Strand	+
Start	5436	End	14961
Name	OJ000302_03.0407.C10.o2.gp	Method	AAT/GAP
Start	10167	End	10829
GI	uC-osflm202106b05b1	Score	1066
Exons	10167..10261, 10361..10829		
GI Descrip.	'2443887 3.0e-50 (AC002294) Similar to transcription factor gb_Z46606_1658307 and others [Arabidopsis thaliana]'		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86669	Strand	-
Start	563	End	3961
Name	OJ000302_03.0407.C10.o1.gs	Method	GENSCAN
Start	563	End	3961
GI	none	Score	.55
Exons	563..733, 792..900, 1099..1225, 1244..1317, 1354..1434, 1752..1820, 2482..2688, 2835..2917, 3914..3961		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86669	Strand	-
Start	563	End	3961
Name	OJ000302_03.0407.C10.o1.gp	Method	AAT/GAP
Start	1803	End	1863
GI	2312838	Score	58
Exons	1803..1863		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o4.tm	Method	TBLASTX:Maize
Start	8549	End	8767
GI	none	Score	134
Exons	8549..8677, 8556..8678, 8557..8679, 8665..8766, 8666..8767		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o3.ts	Method	TBLASTX:Soybean
Start	10027	End	10462
GI	none	Score	107
Exons	10027..10098, 10028..10099, 10179..10265, 10184..10261, 10357..10461, 10358..10462		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o3.tc	Method	TBLASTX:Cress
Start	10574	End	10717
GI	none	Score	186
Exons	10574..10711, 10580..10717		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o1.tc	Method	TBLASTX:Cress
Start	10718	End	11155
GI	none	Score	145
Exons	10718..10855, 10723..10854, 10790..10888, 10791..10895, 10953..11153, 10954..11091, 10954..11154, 10955..11155		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o1.tm	Method	TBLASTX:Maize
Start	10739	End	11164
GI	none	Score	587
Exons	10739..11164, 10742..11164		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o2.ts	Method	TBLASTX:Soybean
Start	11051	End	13048
GI	none	Score	306
Exons	11051..11260, 11053..11259, 11159..11260, 12169..12333, 12183..12344, 12781..12843, 12781..13011, 12785..13048		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o3.tm	Method	TBLASTX:Maize
Start	12189	End	14961
GI	none	Score	151
Exons	12189..12338, 12205..12333, 12781..12882, 12791..12883, 13985..14050, 13986..14051, 14111..14212, 14119..14331, 14121..14327, 14851..14952, 14854..14961, 14856..14954		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o2.tm	Method	TBLASTX:Maize
Start	12885	End	13983
GI	none	Score	124
Exons	12885..13010, 12885..13010, 12886..13011, 12887..13048, 12899..13021, 13485..13721, 13493..13711, 13697..13804, 13716..13766, 13733..13792, 13869..13982, 13872..13982, 13873..13983		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o1.ts	Method	TBLASTX:Soybean
Start	13484	End	14235
GI	none	Score	224
Exons	13484..13642, 13485..13694, 13504..13707, 13839..14051, 13895..13945, 13979..14053, 14119..14235, 14120..14227, 14121..14228		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o2.tc	Method	TBLASTX:Cress
Start	14097	End	14967
GI	none	Score	332
Exons	14097..14333, 14117..14335, 14119..14331, 14128..14337, 14854..14967, 14856..14957		

Seq. No.	41736	Seq. ID	OJ000302_03.0407.C10
Gene No.	86670	Strand	-
Start	14974	End	15189
Name	OJ000302_03.0407.C10.o3.gp	Method	AAT/GAP
Start	14974	End	15189
GI	none	Score	252
Exons	14974..15189		

Seq. No.	41737	Seq. ID	OJ000302_03.0407.C11
Gene No.	86671	Strand	+
Start	293	End	575
Name	OJ000302_03.0407.C11.o1.gp	Method	AAT/GAP
Start	293	End	575
GI	LIB3431-029-P1-N1-C12	Score	562
Exons	293..575		
GI Descrip.	'4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]'		

Seq. No.	41737	Seq. ID	OJ000302_03.0407.C11
Gene No.	86672	Strand	-
Start	1	End	1016
Name	OJ000302_03.0407.C11.o1.np	Method	AAT/NAP
Start	1	End	1016
GI	6729489	Score	186
Exons	1..34, 673..1016		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	41737	Seq. ID	OJ000302_03.0407.C11
Gene No.	86672	Strand	-
Start	1	End	1016
Name	OJ000302_03.0407.C11.o1.gs	Method	GENSCAN
Start	528	End	934
GI	none	Score	.93
Exons	528..934		

Seq. No.	41737	Seq. ID	OJ000302_03.0407.C11
Gene No.	86672	Strand	-
Start	1	End	1016
Name	OJ000302_03.0407.C11.o1.tc	Method	TBLASTX:Cress
Start	711	End	1015
GI	none	Score	58
Exons	711..938, 935..1015, 937..1014		

Seq. No.	41737	Seq. ID	OJ000302_03.0407.C11
Gene No.	86672	Strand	-
Start	1	End	1016

Name	OJ000302_03.0407.C11.o1.tm	Method	TBLASTX:Maize
Start	711	End	1014
GI	none	Score	65
Exons	711..899, 834..899, 917..1012, 937..1014		

Seq. No.	41738	Seq. ID	OJ000302_03.0407.C12
Gene No.	86673	Strand	-
Start	27	End	163
Name	OJ000302_03.0407.C12.o1.gs	Method	GENSCAN
Start	27	End	163
GI	none	Score	.75
Exons	27..163		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86674	Strand	+
Start	282	End	595
Name	OJ000302_03.0407.C13.o1.gp	Method	AAT/GAP
Start	282	End	595
GI	none	Score	438
Exons	282..595		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86675	Strand	-
Start	102	End	554
Name	OJ000302_03.0407.C13.o1.gs	Method	GENSCAN
Start	102	End	554
GI	none	Score	.79
Exons	102..224, 420..554		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o2.gp	Method	AAT/GAP
Start	784	End	1293
GI	uC-osflcyp067b10a1	Score	523
Exons	784..1091, 1219..1293		
GI Descrip.	'2335108 1.0e-23 (AC002339) putative isulinase [Arabidopsis thaliana]'		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o2.tm	Method	TBLASTX:Maize
Start	833	End	3153
GI	none	Score	132
Exons	833..949, 835..957, 836..937, 927..1094, 955..1038, 960..1046, 968..1123, 1207..1344, 1214..1348, 1608..1694, 1610..1696, 1615..1707, 1753..1833, 1766..1810, 1771..1836, 1924..2061, 1928..2062, 1930..2076, 1937..2062, 2767..2994, 2768..2995, 2783..2998, 2784..2999, 3029..3151, 3091..3153		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o1.np	Method	AAT/NAP
Start	850	End	9581
GI	2335108	Score	2003

Exons	850..1080, 1208..1341, 1608..1694, 1771..1822, 1929..2063, 2795..2993, 3102..3303, 3802..3906, 4053..4114, 4210..4399, 4510..4605, 4757..4864, 5219..5317, 5548..5634, 6237..6322, 6421..6521, 6637..6792, 6963..7075, 7147..7261, 7658..7713, 8050..8093, 8271..8344, 8506..8597, 9074..9148, 9563..9581		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o2.gs	Method	GENSCAN
Start	870	End	8563
GI	none	Score	.86
Exons	870..1091, 1219..1341, 1608..1694, 1771..1822, 1929..2053, 2785..2993, 3102..3303, 3802..3906, 4053..4114, 4210..4399, 4510..4605, 4757..4859, 5214..5317, 6237..6351, 6626..6815, 7662..7713, 8050..8093, 8271..8344, 8506..8563		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o1.tc	Method	TBLASTX:Cress
Start	2899	End	3894
GI	none	Score	118
Exons	2899..3000, 3094..3306, 3100..3306, 3796..3894, 3802..3894		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o1.ts	Method	TBLASTX:Soybean
Start	3091	End	5323
GI	none	Score	91
Exons	3091..3306, 3142..3306, 3802..3909, 4050..4115, 4070..4111, 4211..4402, 4212..4400, 4498..4566, 4501..4608, 4757..4861, 4761..4862, 5204..5323		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o1.tm	Method	TBLASTX:Maize
Start	3229	End	7191
GI	none	Score	78
Exons	3229..3306, 3229..3306, 3234..3311, 3731..3907, 3784..3897, 3801..3923, 3801..3908, 3802..3909, 4035..4112, 4043..4147, 4050..4115, 4206..4400, 4211..4402, 4215..4400, 4498..4590, 4501..4608, 4508..4627, 4757..4861, 4758..4862, 5213..5332, 5214..5318, 5215..5322, 5216..5353, 5549..5635, 5549..5635, 5556..5639, 6222..6323, 6237..6323, 6401..6460, 6421..6462, 6454..6516, 6456..6539, 6620..6796, 6628..6798, 6629..6796, 6960..7076, 6963..7076, 7128..7190, 7147..7191		

Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o2.tc	Method	TBLASTX:Cress
Start	4202	End	4608
GI	none	Score	90

Exons	4202..4381, 4211..4393, 4212..4400, 4508..4603, 4510..4608		
Seq. No.	41739	Seq. ID	OJ000302_03.0407.C13
Gene No.	86676	Strand	-
Start	870	End	9581
Name	OJ000302_03.0407.C13.o2.ts	Method	TBLASTX:Soybean
Start	6422	End	6771
GI	none	Score	45
Exons	6422..6460, 6456..6530, 6457..6516, 6628..6771, 6629..6742		
Seq. No.	41740	Seq. ID	OJ000302_03.0407.C14
Gene No.	86677	Strand	+
Start	4330	End	6270
Name	OJ000302_03.0407.C14.o2.np	Method	AAT/NAP
Start	4330	End	5254
GI	5922621	Score	248
Exons	4330..4548, 5121..5254		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016854|dbj|BAA85197.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	41740	Seq. ID	OJ000302_03.0407.C14
Gene No.	86677	Strand	+
Start	4330	End	6270
Name	OJ000302_03.0407.C14.o3.np	Method	AAT/NAP
Start	4836	End	6270
GI	7485337	Score	78
Exons	4836..4919, 6139..6270		
GI Descrip.	hypothetical protein F10M23.290 - Arabidopsis thaliana gi|4455218|emb|CAB36541.1| (AL035440) putative protein [Arabidopsis thaliana] gi|7269548|emb|CAB79550.1| (AL161566) putative protein [Arabidopsis thaliana]		
Seq. No.	41740	Seq. ID	OJ000302_03.0407.C14
Gene No.	86678	Strand	-
Start	1	End	528
Name	OJ000302_03.0407.C14.o1.np	Method	AAT/NAP
Start	1	End	528
GI	6706418	Score	166
Exons	1..52, 170..249, 385..528		
GI Descrip.	(AL133248) protease-like protein [Arabidopsis thaliana]		
Seq. No.	41740	Seq. ID	OJ000302_03.0407.C14
Gene No.	86679	Strand	-
Start	1072	End	1388
Name	OJ000302_03.0407.C14.o1.ts	Method	TBLASTX:Soybean
Start	175	End	489
GI	none	Score	95
Exons	175..252, 176..247, 370..489, 373..489		
Seq. No.	41740	Seq. ID	OJ000302_03.0407.C14
Gene No.	86679	Strand	-
Start	1072	End	1388
Name	OJ000302_03.0407.C14.o2.gs	Method	GENSCAN
Start	1072	End	1388
GI	none	Score	.86
Exons	1072..1093, 1327..1388		

Seq. No.	41741	Seq. ID	OJ000302_03.0407.C17
Gene No.	86680	Strand	+
Start	113	End	475
Name	OJ000302_03.0407.C17.o1.gs	Method	GENSCAN
Start	113	End	475
GI	none	Score	.78
Exons	113..475		

Seq. No.	41742	Seq. ID	OJ000102_69.0310.C1
Gene No.	86681	Strand	+
Start	1117	End	1222
Name	OJ000102_69.0310.C1.o2.gp	Method	AAT/GAP
Start	1117	End	1222
GI	5816518	Score	159
Exons	1117..1222		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41742	Seq. ID	OJ000102_69.0310.C1
Gene No.	86682	Strand	-
Start	878	End	1108
Name	OJ000102_69.0310.C1.o1.gp	Method	AAT/GAP
Start	878	End	1108
GI	3761181	Score	337
Exons	878..1108		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41743	Seq. ID	OJ000102_69.0310.C2
Gene No.	86683	Strand	-
Start	583	End	5577
Name	OJ000102_69.0310.C2.o1.gp	Method	AAT/GAP
Start	583	End	4294
GI	81_1.R1084	Score	3130
Exons	583..1134, 1599..1711, 2156..2280, 2367..2907, 3545..3716, 4129..4294		
GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		

Seq. No.	41743	Seq. ID	OJ000102_69.0310.C2
Gene No.	86683	Strand	-
Start	583	End	5577
Name	OJ000102_69.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	995	End	3713
GI	none	Score	156
Exons	995..1144, 1021..1137, 1590..1715, 1599..1712, 2154..2279, 2154..2282, 2155..2283, 2360..2896, 2360..2902, 2367..2936, 3546..3713, 3556..3699		

Seq. No.	41743	Seq. ID	OJ000102_69.0310.C2
Gene No.	86683	Strand	-
Start	583	End	5577
Name	OJ000102_69.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	1014	End	4223
GI	none	Score	90
Exons	1014..1115, 1021..1137, 1022..1144, 1022..1138, 1590..1715,		

1599..1712, 2154..2282, 2155..2283, 2366..2902, 2367..2936, 2797..2907, 3518..3721, 3549..3722, 3556..3720, 4115..4195, 4128..4223

Seq. No.	41743	Seq. ID	OJ000102_69.0310.C2
Gene No.	86683	Strand	-
Start	583	End	5577
Name	OJ000102_69.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	1021	End	5577
GI	none	Score	83
Exons	1021..1110, 1021..1137, 1022..1135, 1022..1138, 1590..1712, 1599..1709, 1603..1713, 2149..2283, 2154..2282, 2345..2887, 2366..2902, 2367..2936, 2781..2912, 3555..3776, 3556..3705, 5474..5500, 5521..5577		

Seq. No.	41743	Seq. ID	OJ000102_69.0310.C2
Gene No.	86683	Strand	-
Start	583	End	5577
Name	OJ000102_69.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	2419	End	3722
GI	none	Score	613
Exons	2419..2718, 2420..2896, 2420..2902, 2781..2909, 2788..2907, 3518..3721, 3545..3604, 3546..3722, 3547..3720		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86684	Strand	
Start	57	End	508
Name	OJ000102_69.0310.C5.o4.tw	Method	TBLASTX:Wheat
Start	57	End	508
GI	none	Score	50
Exons	57..386, 404..508, 405..494		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86685	Strand	
Start	530	End	1006
Name	OJ000102_69.0310.C5.o5.tw	Method	TBLASTX:Wheat
Start	530	End	857
GI	none	Score	60
Exons	530..661, 540..659, 657..857, 658..765		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86685	Strand	
Start	530	End	1006
Name	OJ000102_69.0310.C5.o3.tm	Method	TBLASTX:Maize
Start	702	End	1006
GI	none	Score	70
Exons	702..875, 703..879, 857..1006		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86686	Strand	
Start	1395	End	1901
Name	OJ000102_69.0310.C5.o3.ts	Method	TBLASTX:Soybean
Start	1395	End	1778
GI	none	Score	85
Exons	1395..1643, 1653..1778		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5

Gene No.	86686	Strand	
Start	1395	End	1901
Name	OJ000102_69.0310.C5.o3.tw	Method	TBLASTX:Wheat
Start	1494	End	1901
GI	none	Score	55
Exons	1494..1667, 1495..1617, 1674..1901, 1681..1848		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86687	Strand	
Start	1990	End	2525
Name	OJ000102_69.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	1990	End	2381
GI	none	Score	81
Exons	1990..2334, 2298..2381		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86687	Strand	
Start	1990	End	2525
Name	OJ000102_69.0310.C5.o2.tw	Method	TBLASTX:Wheat
Start	2045	End	2468
GI	none	Score	183
Exons	2045..2335, 2047..2334, 2077..2340, 2299..2421, 2317..2454, 2319..2468		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86687	Strand	
Start	1990	End	2525
Name	OJ000102_69.0310.C5.o2.tm	Method	TBLASTX:Maize
Start	2143	End	2525
GI	none	Score	85
Exons	2143..2334, 2144..2335, 2319..2525, 2340..2465		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86688	Strand	
Start	2553	End	3039
Name	OJ000102_69.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	2553	End	2909
GI	none	Score	219
Exons	2553..2909, 2554..2847, 2604..2855		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86688	Strand	
Start	2553	End	3039
Name	OJ000102_69.0310.C5.o1.tw	Method	TBLASTX:Wheat
Start	2584	End	3039
GI	none	Score	384
Exons	2584..3039, 2584..3012, 2595..3038		

Seq. No.	41744	Seq. ID	OJ000102_69.0310.C5
Gene No.	86688	Strand	
Start	2553	End	3039
Name	OJ000102_69.0310.C5.o2.ts	Method	TBLASTX:Soybean
Start	2634	End	2999
GI	none	Score	109
Exons	2634..2768, 2775..2999		

Seq. No.	41745	Seq. ID	OJ000102_69.0310.C7

Gene No.	86689	Strand	
Start	12	End	922
Name	OJ000102_69.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	12	End	301
GI	none	Score	66
Exons	12..170, 14..301, 207..263		

Seq. No.	41745	Seq. ID	OJ000102_69.0310.C7
Gene No.	86689	Strand	
Start	12	End	922
Name	OJ000102_69.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	65	End	435
GI	none	Score	79
Exons	65..295, 292..435, 293..418		

Seq. No.	41745	Seq. ID	OJ000102_69.0310.C7
Gene No.	86689	Strand	
Start	12	End	922
Name	OJ000102_69.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	188	End	571
GI	none	Score	174
Exons	188..298, 292..570, 293..571		

Seq. No.	41745	Seq. ID	OJ000102_69.0310.C7
Gene No.	86689	Strand	
Start	12	End	922
Name	OJ000102_69.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	310	End	729
GI	none	Score	222
Exons	310..729, 323..727		

Seq. No.	41745	Seq. ID	OJ000102_69.0310.C7
Gene No.	86689	Strand	
Start	12	End	922
Name	OJ000102_69.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	598	End	919
GI	none	Score	199
Exons	598..918, 599..919		

Seq. No.	41745	Seq. ID	OJ000102_69.0310.C7
Gene No.	86689	Strand	
Start	12	End	922
Name	OJ000102_69.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	729	End	922
GI	none	Score	107
Exons	729..920, 730..888, 730..921,	731..922	

Seq. No.	41746	Seq. ID	OJ000102_69.0310.C8
Gene No.	86690	Strand	
Start	190	End	649
Name	OJ000102_69.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	190	End	649
GI	none	Score	169
Exons	190..648, 194..454, 220..636,	512..649	

Seq. No.	41746	Seq. ID	OJ000102_69.0310.C8
Gene No.	86691	Strand	

Start	1387	End	1744
Name	OJ000102_69.0310.C8.o2.tw	Method	TBLASTX:Wheat
Start	1387	End	1744
GI	none	Score	92
Exons	1387..1644, 1421..1660, 1627..1740, 1628..1744		

Seq. No.	41746	Seq. ID	OJ000102_69.0310.C8
Gene No.	86691	Strand	
Start	1387	End	1744
Name	OJ000102_69.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	1483	End	1741
GI	none	Score	116
Exons	1483..1740, 1484..1741		

Seq. No.	41747	Seq. ID	OJ000102_69.0310.C9
Gene No.	86692	Strand	
Start	774	End	1175
Name	OJ000102_69.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	774	End	1172
GI	none	Score	245
Exons	774..1172		

Seq. No.	41747	Seq. ID	OJ000102_69.0310.C9
Gene No.	86692	Strand	
Start	774	End	1175
Name	OJ000102_69.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	936	End	1175
GI	none	Score	181
Exons	936..1175		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86693	Strand	+
Start	19549	End	20646
Name	OJ000102_69.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	10741	End	15587
GI	none	Score	100
Exons	10741..10824, 10742..10822, 12857..13111, 12858..13112, 12858..13112, 13721..13849, 13723..13848, 14152..14196, 14153..14209, 14156..14203, 14294..14380, 14295..14381, 14301..14381, 14462..14539, 14463..14540, 14467..14535, 14603..14779, 14610..14786, 14839..14919, 15509..15580, 15510..15587		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86693	Strand	+
Start	19549	End	20646
Name	OJ000102_69.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	12972	End	14520
GI	none	Score	170
Exons	12972..13112, 12977..13108, 13721..13849, 13723..13848, 14153..14203, 14294..14380, 14298..14381, 14463..14519, 14467..14520		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86693	Strand	+
Start	19549	End	20646
Name	OJ000102_69.0310.C10.o1.tm	Method	TBLASTX:Maize

Start	13017	End	14761
GI	none	Score	122
Exons	13017..13112, 13721..13849, 13723..13848, 14159..14206, 14160..14207, 14292..14381, 14294..14380, 14298..14381, 14463..14531, 14467..14535, 14609..14761, 14610..14756		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86693	Strand	+
Start	19549	End	20646
Name	OJ000102_69.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	15564	End	16947
GI	none	Score	68
Exons	15564..15584, 15706..15777, 15707..15775, 15760..15837, 15778..15834, 15929..16012, 15934..16032, 15952..16047, 16695..16733, 16696..16734, 16700..16942, 16723..16764, 16781..16942, 16791..16946, 16819..16947		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86693	Strand	+
Start	19549	End	20646
Name	OJ000102_69.0310.C10.o1.gp	Method	AAT/GAP
Start	19549	End	20646
GI	none	Score	970
Exons	19549..19634, 19704..19746, 19840..19874, 20070..20131, 20208..20259, 20350..20646		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86694	Strand	
Start	27290	End	27860
Name	OJ000102_69.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	27290	End	27858
GI	none	Score	76
Exons	27290..27394, 27303..27395, 27507..27548, 27508..27549, 27684..27779, 27685..27858, 27686..27853, 27687..27857		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86694	Strand	
Start	27290	End	27860
Name	OJ000102_69.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	27678	End	27860
GI	none	Score	104
Exons	27678..27794, 27678..27860, 27682..27858		

Seq. No.	41748	Seq. ID	OJ000102_69.0310.C10
Gene No.	86695	Strand	
Start	28317	End	29209
Name	OJ000102_69.0310.C10.o4.tm	Method	TBLASTX:Maize
Start	28317	End	29209
GI	none	Score	76
Exons	28317..28370, 28318..28371, 28495..28575, 28502..28576, 28683..28781, 28893..28928, 29022..29066, 29087..29209		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86696	Strand	-
Start	3933	End	4006
Name	OJ000102_69.0310.C11.o1.tc	Method	TBLASTX:Cress
Start	167	End	1907

GI	none	Score	125
Exons	167..295, 168..296, 380..655, 385..663, 496..663, 807..1082, 813..1079, 823..1083, 1737..1907, 1747..1860		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86696	Strand	-
Start	3933	End	4006
Name	OJ000102_69.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	167	End	1904
GI	none	Score	139
Exons	167..295, 168..296, 346..441, 346..663, 386..664, 807..1082, 813..1079, 814..1083, 1746..1904, 1747..1860		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86696	Strand	-
Start	3933	End	4006
Name	OJ000102_69.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	167	End	1912
GI	none	Score	164
Exons	167..295, 168..296, 385..660, 386..664, 807..1079, 807..1082, 811..1083, 1725..1901, 1737..1907, 1739..1912		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86696	Strand	-
Start	3933	End	4006
Name	OJ000102_69.0310.C11.o5.tw	Method	TBLASTX:Wheat
Start	438	End	1907
GI	none	Score	185
Exons	438..659, 439..660, 440..655, 493..663, 807..1082, 813..1082, 820..1083, 979..1083, 1725..1898, 1740..1907		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86696	Strand	-
Start	3933	End	4006
Name	OJ000102_69.0310.C11.o1.gp	Method	AAT/GAP
Start	3933	End	4006
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	3933..4006		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86697	Strand	
Start	7868	End	8257
Name	OJ000102_69.0310.C11.o7.tw	Method	TBLASTX:Wheat
Start	7868	End	8257
GI	none	Score	54
Exons	7868..7912, 7919..8017, 7936..8016, 7984..8223, 8000..8257		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86697	Strand	
Start	7868	End	8257
Name	OJ000102_69.0310.C11.o5.tm	Method	TBLASTX:Maize
Start	7907	End	8155
GI	none	Score	197
Exons	7907..8155		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86698	Strand	
Start	8995	End	9481
Name	OJ000102_69.0310.C11.o3.tw	Method	TBLASTX:Wheat
Start	8995	End	9481
GI	none	Score	399
Exons	8995..9168, 8996..9481, 9190..9450		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86699	Strand	
Start	9645	End	10132
Name	OJ000102_69.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	9645	End	10108
GI	none	Score	203
Exons	9645..10088, 9646..10101, 9647..10108, 9647..10102		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86699	Strand	
Start	9645	End	10132
Name	OJ000102_69.0310.C11.o4.ts	Method	TBLASTX:Soybean
Start	9686	End	10051
GI	none	Score	112
Exons	9686..9910, 9917..10051		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86699	Strand	
Start	9645	End	10132
Name	OJ000102_69.0310.C11.o2.tm	Method	TBLASTX:Maize
Start	9817	End	10132
GI	none	Score	381
Exons	9817..10122, 9818..10132, 10016..10132		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86700	Strand	
Start	10159	End	10666
Name	OJ000102_69.0310.C11.o3.tm	Method	TBLASTX:Maize
Start	10159	End	10543
GI	none	Score	362
Exons	10159..10524, 10160..10543		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86700	Strand	
Start	10159	End	10666
Name	OJ000102_69.0310.C11.o2.tw	Method	TBLASTX:Wheat
Start	10216	End	10636
GI	none	Score	489
Exons	10216..10611, 10217..10636		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86700	Strand	
Start	10159	End	10666
Name	OJ000102_69.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	10295	End	10666
GI	none	Score	275
Exons	10295..10666, 10312..10455		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86701	Strand	
Start	11075	End	11990
Name	OJ000102_69.0310.C11.o6.tw	Method	TBLASTX:Wheat
Start	11075	End	11533
GI	none	Score	239
Exons	11075..11329, 11099..11323, 11164..11337, 11384..11533, 11393..11530, 11395..11532		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86701	Strand	
Start	11075	End	11990
Name	OJ000102_69.0310.C11.o3.ts	Method	TBLASTX:Soybean
Start	11222	End	11788
GI	5666795	Score	68
Exons	11222..11320, 11396..11533, 11582..11788		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86701	Strand	
Start	11075	End	11990
Name	OJ000102_69.0310.C11.o8.tw	Method	TBLASTX:Wheat
Start	11536	End	11990
GI	none	Score	198
Exons	11536..11712, 11573..11848, 11937..11990		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86702	Strand	
Start	12041	End	12559
Name	OJ000102_69.0310.C11.o4.tm	Method	TBLASTX:Maize
Start	12041	End	12403
GI	none	Score	361
Exons	12041..12364, 12070..12351, 12356..12403		

Seq. No.	41749	Seq. ID	OJ000102_69.0310.C11
Gene No.	86702	Strand	
Start	12041	End	12559
Name	OJ000102_69.0310.C11.o4.tw	Method	TBLASTX:Wheat
Start	12178	End	12559
GI	none	Score	371
Exons	12178..12234, 12179..12559, 12280..12525		

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86703	Strand	
Start	141	End	914
Name	OJ000102_69.0310.C12.o2.tw	Method	TBLASTX:Wheat
Start	141	End	599
GI	none	Score	239
Exons	141..362, 165..389, 230..406, 450..599, 461..598		

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86703	Strand	
Start	141	End	914
Name	OJ000102_69.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	288	End	854
GI	5666795	Score	68
Exons	288..386, 462..599, 654..854		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86703	Strand	
Start	141	End	914
Name	OJ000102_69.0310.C12.o4.tw	Method	TBLASTX:Wheat
Start	602	End	914
GI	none	Score	187
Exons	602..913, 654..914		

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86704	Strand	
Start	1107	End	1625
Name	OJ000102_69.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	1107	End	1439
GI	none	Score	371
Exons	1107..1430, 1136..1417, 1227..1439		

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86704	Strand	
Start	1107	End	1625
Name	OJ000102_69.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	1244	End	1625
GI	none	Score	377
Exons	1244..1591, 1245..1625, 1248..1598		

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86705	Strand	
Start	1626	End	2240
Name	OJ000102_69.0310.C12.o3.tw	Method	TBLASTX:Wheat
Start	1626	End	2228
GI	none	Score	265
Exons	1626..1910, 1631..1909, 1766..1936, 2102..2224, 2103..2228		

Seq. No.	41750	Seq. ID	OJ000102_69.0310.C12
Gene No.	86705	Strand	
Start	1626	End	2240
Name	OJ000102_69.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	2097	End	2240
GI	none	Score	183
Exons	2097..2240, 2102..2236		

Seq. No.	41751	Seq. ID	OJ000102_69.0310.C14
Gene No.	86706	Strand	-
Start	2552	End	2656
Name	OJ000102_69.0310.C14.o1.gp	Method	AAT/GAP
Start	2552	End	2656
GI	uC-osflcyp088b12b1	Score	140
Exons	2552..2656		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	41752	Seq. ID	OJ000122_55.0307.C2
Gene No.	86707	Strand	-
Start	887	End	1505
Name	OJ000122_55.0307.C2.o1.gp	Method	AAT/GAP
Start	887	End	1505

GI	none	Score	959
Exons	887..1332, 1446..1505		

Seq. No.	41752	Seq. ID	OJ000122_55.0307.C2
Gene No.	86708	Strand	-
Start	1538	End	4085
Name	OJ000122_55.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	1221	End	4076
GI	none	Score	81
Exons	1221..1319, 1436..1597, 1852..2061, 2266..2421, 2276..2377, 3426..3560, 3426..3560, 3712..3843, 3713..3838, 3829..3888, 3843..3887, 3978..4076		

Seq. No.	41752	Seq. ID	OJ000122_55.0307.C2
Gene No.	86708	Strand	-
Start	1538	End	4085
Name	OJ000122_55.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	1224	End	4085
GI	none	Score	67
Exons	1224..1319, 1233..1304, 1252..1320, 1451..1618, 1452..1619, 1455..1619, 1812..1997, 1816..2061, 1841..1996, 2255..2389, 2264..2353, 2266..2421, 3426..3560, 3429..3560, 3709..3843, 3710..3838, 3745..3888, 3796..3891, 3969..4085, 3978..4076		

Seq. No.	41752	Seq. ID	OJ000122_55.0307.C2
Gene No.	86708	Strand	-
Start	1538	End	4085
Name	OJ000122_55.0307.C2.o1.tc	Method	TBLASTX:Cress
Start	1230	End	3564
GI	none	Score	95
Exons	1230..1319, 1252..1323, 1448..1630, 1834..2061, 2264..2341, 2266..2421, 2267..2365, 3426..3560, 3426..3563, 3472..3564		

Seq. No.	41752	Seq. ID	OJ000122_55.0307.C2
Gene No.	86708	Strand	-
Start	1538	End	4085
Name	OJ000122_55.0307.C2.o2.gp	Method	AAT/GAP
Start	1538	End	3878
GI	9604_1.R1084	Score	1155
Exons	1538..1618, 1810..1995, 2283..2364, 3429..3557, 3712..3878		
GI Descrip.	'5922612/dbj|BAA84613.1| 6.0e-33 (AP000492) EST AU078118(E3904) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana BAC IG002P16; No definition line found. (AF007270) [Oryza sativa]'		

Seq. No.	41752	Seq. ID	OJ000122_55.0307.C2
Gene No.	86708	Strand	-
Start	1538	End	4085
Name	OJ000122_55.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	1848	End	1998
GI	none	Score	184
Exons	1848..1895, 1849..1998, 1850..1996		

Seq. No.	41753	Seq. ID	OJ000122_55.0307.C3
Gene No.	86709	Strand	+
Start	876	End	1262
Name	OJ000122_55.0307.C3.o1.gp	Method	AAT/GAP

Start	876	End	1262
GI	none	Score	770
Exons	876..1262		

Seq. No.	41753	Seq. ID	OJ000122_55.0307.C3
Gene No.	86710	Strand	
Start	2045	End	3207
Name	OJ000122_55.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	2045	End	3163
GI	none	Score	66
Exons	2045..2173, 2483..2608, 2663..2779, 2663..2797, 2876..2944, 2895..2942, 3071..3163		

Seq. No.	41753	Seq. ID	OJ000122_55.0307.C3
Gene No.	86710	Strand	
Start	2045	End	3207
Name	OJ000122_55.0307.C3.o3.tm	Method	TBLASTX:Maize
Start	2474	End	2797
GI	none	Score	113
Exons	2474..2617, 2478..2618, 2510..2638, 2660..2794, 2660..2797, 2661..2795		

Seq. No.	41753	Seq. ID	OJ000122_55.0307.C3
Gene No.	86710	Strand	
Start	2045	End	3207
Name	OJ000122_55.0307.C3.o1.tw	Method	TBLASTX:Wheat
Start	2670	End	2999
GI	none	Score	274
Exons	2670..2999, 2670..2990, 2672..2998		

Seq. No.	41753	Seq. ID	OJ000122_55.0307.C3
Gene No.	86710	Strand	
Start	2045	End	3207
Name	OJ000122_55.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	2798	End	3207
GI	none	Score	328
Exons	2798..3193, 2799..3194, 2816..3196, 2968..3207		

Seq. No.	41753	Seq. ID	OJ000122_55.0307.C3
Gene No.	86711	Strand	
Start	4385	End	4909
Name	OJ000122_55.0307.C3.o2.tm	Method	TBLASTX:Maize
Start	4385	End	4909
GI	none	Score	141
Exons	4385..4636, 4405..4596, 4595..4636, 4675..4836, 4678..4827, 4829..4909		

Seq. No.	41754	Seq. ID	OJ000122_55.0307.C4
Gene No.	86712	Strand	+
Start	7268	End	7516
Name	OJ000122_55.0307.C4.o1.gp	Method	AAT/GAP
Start	7268	End	7516
GI	101153_1.R1084	Score	342
Exons	7268..7516		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41754	Seq. ID	OJ000122_55.0307.C4
Gene No.	86713	Strand	+
Start	8499	End	8772
Name	OJ000122_55.0307.C4.o2.gp	Method	AAT/GAP
Start	8499	End	8772
GI	61605_1.R1084	Score	452
Exons	8499..8772		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41755	Seq. ID	OJ000122_55.0307.C6
Gene No.	86714	Strand	-
Start	4562	End	5127
Name	OJ000122_55.0307.C6.o1.gp	Method	AAT/GAP
Start	4562	End	5127
GI	uC-osf1cyp088b12b1	Score	157
Exons	4562..4675, 5092..5127		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41756	Seq. ID	OJ000122_55.0307.C7
Gene No.	86715	Strand	
Start	652	End	1550
Name	OJ000122_55.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	652	End	1550
GI	none	Score	217
Exons	652..879, 675..890, 880..1092, 889..1128, 902..1147, 1261..1365, 1476..1550		

Seq. No.	41757	Seq. ID	OJ000122_55.0307.C8
Gene No.	86716	Strand	
Start	4	End	892
Name	OJ000122_55.0307.C8.o1.ts	Method	TBLASTX:Soybean
Start	4	End	405
GI	none	Score	110
Exons	4..120, 24..110, 100..405, 141..296, 277..393		

Seq. No.	41757	Seq. ID	OJ000122_55.0307.C8
Gene No.	86716	Strand	
Start	4	End	892
Name	OJ000122_55.0307.C8.o1.tw	Method	TBLASTX:Wheat
Start	180	End	892
GI	none	Score	64
Exons	180..389, 180..419, 181..420, 460..681, 508..684, 643..801, 830..892		

Seq. No.	41757	Seq. ID	OJ000122_55.0307.C8
Gene No.	86716	Strand	
Start	4	End	892
Name	OJ000122_55.0307.C8.o1.tm	Method	TBLASTX:Maize
Start	196	End	654
GI	none	Score	121
Exons	196..420, 469..654, 471..632		

Seq. No.	41757	Seq. ID	OJ000122_55.0307.C8
Gene No.	86716	Strand	
Start	4	End	892

Name	OJ000122_55.0307.C8.o2.ts	Method	TBLASTX:Soybean
Start	460	End	892
GI	none	Score	190
Exons	460..669, 462..641, 520..648,	730..792,	833..892

Seq. No.	41758	Seq. ID	OJ000122_55.0307.C9
Gene No.	86717	Strand	
Start	1	End	486
Name	OJ000122_55.0307.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	486
GI	none	Score	56
Exons	1..51, 37..486, 39..137, 192..	323, 384..	482

Seq. No.	41758	Seq. ID	OJ000122_55.0307.C9
Gene No.	86718	Strand	
Start	472	End	1059
Name	OJ000122_55.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	472	End	1059
GI	none	Score	228
Exons	472..816, 594..779, 868..1059		

Seq. No.	41758	Seq. ID	OJ000122_55.0307.C9
Gene No.	86718	Strand	
Start	472	End	1059
Name	OJ000122_55.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	472	End	1044
GI	none	Score	238
Exons	472..864, 630..845, 862..1044		

Seq. No.	41758	Seq. ID	OJ000122_55.0307.C9
Gene No.	86718	Strand	
Start	472	End	1059
Name	OJ000122_55.0307.C9.o2.tw	Method	TBLASTX:Wheat
Start	579	End	1044
GI	none	Score	294
Exons	579..878, 580..1044		

Seq. No.	41759	Seq. ID	OJ000122_55.0307.C11
Gene No.	86719	Strand	
Start	1042	End	1285
Name	OJ000122_55.0307.C11.o1.tm	Method	TBLASTX:Maize
Start	1042	End	1285
GI	none	Score	97
Exons	1042..1275, 1127..1285		

Seq. No.	41759	Seq. ID	OJ000122_55.0307.C11
Gene No.	86719	Strand	
Start	1042	End	1285
Name	OJ000122_55.0307.C11.o1.ts	Method	TBLASTX:Soybean
Start	1072	End	1273
GI	none	Score	96
Exons	1072..1272, 1157..1273		

Seq. No.	41760	Seq. ID	OJ000122_55.0307.C12
Gene No.	86720	Strand	-
Start	308	End	1157
Name	OJ000122_55.0307.C12.o2.tm	Method	TBLASTX:Maize

Start	303	End	617
GI	none	Score	106
Exons	303..530, 304..522, 543..617		

Seq. No.	41760	Seq. ID	OJ000122_55.0307.C12
Gene No.	86720	Strand	-
Start	308	End	1157
Name	OJ000122_55.0307.C12.o1.gp	Method	AAT/GAP
Start	308	End	816
GI	uC-osf1cyp110c07b1	Score	958
Exons	308..816		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	41760	Seq. ID	OJ000122_55.0307.C12
Gene No.	86720	Strand	-
Start	308	End	1157
Name	OJ000122_55.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	711	End	1157
GI	none	Score	110
Exons	711..749, 744..806, 807..1085, 877..1062, 1071..1157		

Seq. No.	41761	Seq. ID	OJ000122_55.0307.C13
Gene No.	86721	Strand	
Start	1726	End	2389
Name	OJ000122_55.0307.C13.o1.ts	Method	TBLASTX:Soybean
Start	1726	End	2389
GI	none	Score	58
Exons	1726..2127, 1729..1893, 1928..2128, 2134..2388, 2135..2389		

Seq. No.	41761	Seq. ID	OJ000122_55.0307.C13
Gene No.	86721	Strand	
Start	1726	End	2389
Name	OJ000122_55.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	1757	End	2388
GI	none	Score	271
Exons	1757..2065, 1768..2067, 1769..2065, 2045..2128, 2045..2110, 2046..2126, 2047..2127, 2314..2388		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86722	Strand	
Start	1	End	310
Name	OJ000122_55.0307.C14.o3.tm	Method	TBLASTX:Maize
Start	1	End	310
GI	none	Score	71
Exons	1..72, 1..99, 2..118, 3..110, 173..310, 180..308		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86723	Strand	
Start	4797	End	5075
Name	OJ000122_55.0307.C14.o2.tc	Method	TBLASTX:Cress
Start	4797	End	5075
GI	none	Score	304
Exons	4797..5075, 4798..5073		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14

Gene No.	86723	Strand	
Start	4797	End	5075
Name	OJ000122_55.0307.C14.o5.ts	Method	TBLASTX:Soybean
Start	4804	End	5061
GI	none	Score	118
Exons	4804..4911, 4806..4907, 4902..5057, 4903..5061		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86724	Strand	
Start	5278	End	5640
Name	OJ000122_55.0307.C14.o1.tc	Method	TBLASTX:Cress
Start	5278	End	5640
GI	none	Score	464
Exons	5278..5640, 5343..5630		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86725	Strand	
Start	6794	End	7144
Name	OJ000122_55.0307.C14.o2.tm	Method	TBLASTX:Maize
Start	6794	End	7102
GI	none	Score	377
Exons	6794..7102, 6795..6875, 6796..7080, 6800..7096		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86725	Strand	
Start	6794	End	7144
Name	OJ000122_55.0307.C14.o3.ts	Method	TBLASTX:Soybean
Start	6808	End	7144
GI	none	Score	368
Exons	6808..7083, 6809..7144		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86726	Strand	
Start	7142	End	9028
Name	OJ000122_55.0307.C14.o1.tm	Method	TBLASTX:Maize
Start	7142	End	8995
GI	none	Score	1416
Exons	7142..8155, 7144..8145, 8154..8726, 8158..8727, 8729..8893, 8730..8936, 8879..8995, 8896..8994		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86726	Strand	
Start	7142	End	9028
Name	OJ000122_55.0307.C14.o1.ts	Method	TBLASTX:Soybean
Start	7144	End	7906
GI	none	Score	675
Exons	7144..7671, 7145..7699, 7676..7906, 7695..7904, 7696..7905		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86726	Strand	
Start	7142	End	9028
Name	OJ000122_55.0307.C14.o4.ts	Method	TBLASTX:Soybean
Start	7907	End	8247
GI	none	Score	295
Exons	7907..8155, 7909..8139, 8161..8247, 8172..8246		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14

Gene No.	86726	Strand	
Start	7142	End	9028
Name	OJ000122_55.0307.C14.o2.ts	Method	TBLASTX:Soybean
Start	8329	End	8995
GI	none	Score	176
Exons	8329..8550, 8355..8543, 8553..8723, 8554..8724, 8560..8733, 8727..8894, 8730..8873, 8732..8893, 8876..8995, 8917..8991		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86726	Strand	
Start	7142	End	9028
Name	OJ000122_55.0307.C14.o3.tc	Method	TBLASTX:Cress
Start	8416	End	8777
GI	none	Score	80
Exons	8416..8547, 8421..8486, 8553..8723, 8554..8727, 8730..8777, 8733..8774		

Seq. No.	41762	Seq. ID	OJ000122_55.0307.C14
Gene No.	86726	Strand	
Start	7142	End	9028
Name	OJ000122_55.0307.C14.o1.tw	Method	TBLASTX:Wheat
Start	8649	End	9028
GI	none	Score	69
Exons	8649..8726, 8650..8727, 8730..8906, 8732..8893, 8879..9028, 8899..9003		

Seq. No.	41763	Seq. ID	OJ000122_55.0307.C17
Gene No.	86727	Strand	+
Start	4740	End	6232
Name	OJ000122_55.0307.C17.o1.tc	Method	TBLASTX:Cress
Start	1204	End	5493
GI	none	Score	79
Exons	1204..1323, 1205..1264, 1410..1517, 1414..1518, 2298..2447, 2342..2446, 2538..2624, 2543..2623, 4710..4829, 4712..4822, 5124..5228, 5126..5227, 5395..5493, 5395..5493		

Seq. No.	41763	Seq. ID	OJ000122_55.0307.C17
Gene No.	86727	Strand	+
Start	4740	End	6232
Name	OJ000122_55.0307.C17.o1.ts	Method	TBLASTX:Soybean
Start	1204	End	5493
GI	none	Score	82
Exons	1204..1323, 1205..1264, 1223..1327, 1410..1544, 1414..1518, 1414..1548, 2298..2447, 2342..2446, 2343..2450, 2538..2624, 2543..2620, 4710..4829, 4712..4828, 5120..5230, 5124..5228, 5276..5308, 5394..5471, 5395..5493		

Seq. No.	41763	Seq. ID	OJ000122_55.0307.C17
Gene No.	86727	Strand	+
Start	4740	End	6232
Name	OJ000122_55.0307.C17.o1.tm	Method	TBLASTX:Maize
Start	1204	End	2624
GI	none	Score	174
Exons	1204..1323, 1204..1323, 1208..1327, 1410..1517, 1414..1518, 2304..2447, 2345..2446, 2538..2624, 2543..2620, 2544..2621		

Seq. No.	41763	Seq. ID	OJ000122_55.0307.C17

Gene No.	86727	Strand	+
Start	4740	End	6232
Name	OJ000122_55.0307.C17.o2.tm	Method	TBLASTX:Maize
Start	4709	End	5499
GI	none	Score	185
Exons	4709..4849, 4710..4826, 5090..5227, 5116..5226, 5120..5230, 5124..5228, 5394..5483, 5395..5499, 5395..5499		

Seq. No.	41763	Seq. ID	OJ000122_55.0307.C17
Gene No.	86727	Strand	+
Start	4740	End	6232
Name	OJ000122_55.0307.C17.o1.gp	Method	AAT/GAP
Start	4740	End	6232
GI	uC-osflcyp174c09b1	Score	910
Exons	4740..4826, 5127..5226, 5396..5496, 6026..6232		
GI Descrip.	'480737/pir||S37224 4.0e-42 triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco >gi_629694_pir__S42583 phosphate translocator - common tobacco >gi_403023_emb_CAA52979.1_ (X75088) phosphate translocator [Nicotiana tabacum]'		

Seq. No.	41764	Seq. ID	OJ000122_43.0303.C1
Gene No.	86728	Strand	+
Start	1	End	784
Name	OJ000122_43.0303.C1.o1.np	Method	AAT/NAP
Start	1	End	784
GI	6006374	Score	1307
Exons	1..784		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	41764	Seq. ID	OJ000122_43.0303.C1
Gene No.	86728	Strand	+
Start	1	End	784
Name	OJ000122_43.0303.C1.o1.gs	Method	GENSCAN
Start	14	End	674
GI	none	Score	.4
Exons	14..674		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86729	Strand	+
Start	17905	End	18130
Name	OJ000122_43.0303.C6.o5.np	Method	AAT/NAP
Start	17905	End	18130
GI	4680492	Score	96
Exons	17905..18130		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86730	Strand	+
Start	21471	End	21525
Name	OJ000122_43.0303.C6.o1.gp	Method	AAT/GAP
Start	21471	End	21525
GI	3759960	Score	58
Exons	21471..21525		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6

Gene No.	86731	Strand	-
Start	1	End	710
Name	OJ000122_43.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	710
GI	6815052	Score	198
Exons	1..598, 647..710		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86732	Strand	-
Start	3876	End	4156
Name	OJ000122_43.0303.C6.o3.np	Method	AAT/NAP
Start	3876	End	4156
GI	5922633	Score	141
Exons	3876..4156		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016866|dbj|BAA85209.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86733	Strand	-
Start	7725	End	18837
Name	OJ000122_43.0303.C6.o2.gs	Method	GENSCAN
Start	7725	End	18837
GI	none	Score	.53
Exons	7725..7808, 8886..9035, 9093..9161, 9458..9487, 10663..10797, 11065..11377, 11937..11970, 13595..13649, 14453..14490, 14671..14904, 15268..15476, 15613..15724, 18774..18837		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86733	Strand	-
Start	7725	End	18837
Name	OJ000122_43.0303.C6.o4.np	Method	AAT/NAP
Start	10589	End	14860
GI	6539570	Score	68
Exons	10589..10642, 14661..14860		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86734	Strand	-
Start	23089	End	24744
Name	OJ000122_43.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	765	End	1160
GI	none	Score	249
Exons	765..1160		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86734	Strand	-
Start	23089	End	24744
Name	OJ000122_43.0303.C6.o3.gs	Method	GENSCAN
Start	23089	End	24744
GI	none	Score	.7
Exons	23089..24744		

Seq. No.	41765	Seq. ID	OJ000122_43.0303.C6
Gene No.	86734	Strand	-
Start	23089	End	24744

Name	OJ000122_43.0303.C6.o6.np	Method	AAT/NAP
Start	23218	End	24159
GI	4580515	Score	251
Exons	23218..24159		
GI Descrip.	(AF036301) scarecrow-like 3 [Arabidopsis thaliana]		

Seq. No.	41766	Seq. ID	OJ000122_43.0303.C7
Gene No.	86735	Strand	-
Start	26	End	431
Name	OJ000122_43.0303.C7.o1.gs	Method	GENSCAN
Start	26	End	431
GI	none	Score	.66
Exons	26..140, 142..431		

Seq. No.	41767	Seq. ID	OJ000122_43.0303.C8
Gene No.	86736	Strand	+
Start	2038	End	4825
Name	OJ000122_43.0303.C8.o2.np	Method	AAT/NAP
Start	2038	End	4825
GI	6006375	Score	463
Exons	2038..2106, 4522..4825		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	41767	Seq. ID	OJ000122_43.0303.C8
Gene No.	86737	Strand	+
Start	6727	End	8478
Name	OJ000122_43.0303.C8.o4.np	Method	AAT/NAP
Start	6365	End	8478
GI	6006374	Score	3559
Exons	6365..8478		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	41767	Seq. ID	OJ000122_43.0303.C8
Gene No.	86737	Strand	+
Start	6727	End	8478
Name	OJ000122_43.0303.C8.o2.gs	Method	GENSCAN
Start	6727	End	7776
GI	none	Score	.74
Exons	6727..7776		

Seq. No.	41767	Seq. ID	OJ000122_43.0303.C8
Gene No.	86738	Strand	-
Start	2473	End	4002
Name	OJ000122_43.0303.C8.o1.np	Method	AAT/NAP
Start	2473	End	4002
GI	6006374	Score	133
Exons	2473..2498, 3849..4002		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	41767	Seq. ID	OJ000122_43.0303.C8
Gene No.	86738	Strand	-
Start	2473	End	4002
Name	OJ000122_43.0303.C8.o1.gp	Method	AAT/GAP
Start	3512	End	3722

GI	LIB3477-003-P1-K1-E9	Score	136
Exons	3512..3564, 3662..3722		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41767	Seq. ID	OJ000122_43.0303.C8
Gene No.	86739	Strand	-
Start	5222	End	5749
Name	OJ000122_43.0303.C8.o2.gp	Method	AAT/GAP
Start	5222	End	5749
GI	21466_1.R1084	Score	949
Exons	5222..5749		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	41768	Seq. ID	OJ000122_43.0303.C9
Gene No.	86740	Strand	+
Start	657	End	1120
Name	OJ000122_43.0303.C9.o2.gp	Method	AAT/GAP
Start	657	End	1120
GI	LIB3432-059-P1-K1-D8	Score	729
Exons	657..1120		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	41768	Seq. ID	OJ000122_43.0303.C9
Gene No.	86741	Strand	-
Start	438	End	595
Name	OJ000122_43.0303.C9.o1.gp	Method	AAT/GAP
Start	438	End	595
GI	21466_1.R1084	Score	278
Exons	438..595		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	41768	Seq. ID	OJ000122_43.0303.C9
Gene No.	86742	Strand	-
Start	1461	End	1969
Name	OJ000122_43.0303.C9.o1.np	Method	AAT/NAP
Start	1461	End	1969
GI	6006374	Score	822
Exons	1461..1969		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	41768	Seq. ID	OJ000122_43.0303.C9
Gene No.	86742	Strand	-
Start	1461	End	1969
Name	OJ000122_43.0303.C9.o1.gs	Method	GENSCAN
Start	1469	End	1696
GI	none	Score	.52
Exons	1469..1696		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86743	Strand	+
Start	1713	End	4497

Name	OJ000122_43.0303.C10.o2.np	Method	AAT/NAP
Start	1713	End	3571
GI	6006374	Score	637
Exons	1713..2159, 3522..3571		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86743	Strand	+
Start	1713	End	4497
Name	OJ000122_43.0303.C10.o3.np	Method	AAT/NAP
Start	2432	End	4497
GI	6006375	Score	2837
Exons	2432..3673, 3955..4497		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86744	Strand	+
Start	6667	End	7911
Name	OJ000122_43.0303.C10.o3.gs	Method	GENSCAN
Start	6667	End	7911
GI	none	Score	.82
Exons	6667..6747, 7663..7911		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86745	Strand	-
Start	1	End	4550
Name	OJ000122_43.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	4550
GI	6006374	Score	2745
Exons	1..1612, 4515..4550		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86745	Strand	-
Start	1	End	4550
Name	OJ000122_43.0303.C10.o1.gs	Method	GENSCAN
Start	10	End	1471
GI	none	Score	.41
Exons	10..347, 805..1471		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86746	Strand	-
Start	4865	End	5392
Name	OJ000122_43.0303.C10.o1.gp	Method	AAT/GAP
Start	4865	End	5392
GI	21466_1.R1084	Score	967
Exons	4865..5392		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86747	Strand	-
Start	8853	End	9925
Name	OJ000122_43.0303.C10.o1.tw	Method	TBLASTX:Wheat

Start	2393	End	2818
GI	none	Score	62
Exons	2393..2512, 2534..2818		

Seq. No.	41769	Seq. ID	OJ000122_43.0303.C10
Gene No.	86747	Strand	-
Start	8853	End	9925
Name	OJ000122_43.0303.C10.o4.gs	Method	GENSCAN
Start	8853	End	9925
GI	none	Score	.63
Exons	8853..9033, 9074..9170, 9853..9925		

Seq. No.	41770	Seq. ID	OJ000122_43.0303.C11
Gene No.	86748	Strand	+
Start	988	End	1138
Name	OJ000122_43.0303.C11.o1.gs	Method	GENSCAN
Start	988	End	1138
GI	none	Score	.52
Exons	988..1044, 1088..1138		

Seq. No.	41770	Seq. ID	OJ000122_43.0303.C11
Gene No.	86749	Strand	-
Start	1	End	1463
Name	OJ000122_43.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	1463
GI	7339719	Score	122
Exons	1..20, 658..847, 1093..1463		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	41771	Seq. ID	OJ000122_43.0303.C12
Gene No.	86750	Strand	+
Start	213	End	865
Name	OJ000122_43.0303.C12.o1.gs	Method	GENSCAN
Start	213	End	865
GI	none	Score	.91
Exons	213..332, 345..627, 693..865		

Seq. No.	41771	Seq. ID	OJ000122_43.0303.C12
Gene No.	86751	Strand	-
Start	953	End	2366
Name	OJ000122_43.0303.C12.o2.np	Method	AAT/NAP
Start	953	End	2366
GI	7488706	Score	457
Exons	953..1162, 1943..2366		
GI Descrip.	probable transposase - soybean transposon mariner element Soymar1 gi|3386534|gb|AAC28384.1| (AF078934) mariner transposase [Glycine max]		

Seq. No.	41771	Seq. ID	OJ000122_43.0303.C12
Gene No.	86751	Strand	-
Start	953	End	2366
Name	OJ000122_43.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	1499	End	1888
GI	none	Score	53
Exons	1499..1828, 1826..1888		

Seq. No.	41771	Seq. ID	OJ000122_43.0303.C12

Gene No.	86751	Strand	-
Start	953	End	2366
Name	OJ000122_43.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	1980	End	2231
GI	none	Score	69
Exons	1980..2231, 2032..2151		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86752	Strand	+
Start	4779	End	5120
Name	OJ000122_43.0303.C13.o2.gs	Method	GENSCAN
Start	4779	End	5120
GI	none	Score	.9
Exons	4779..5120		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86753	Strand	+
Start	5960	End	8067
Name	OJ000122_43.0303.C13.o3.gs	Method	GENSCAN
Start	5960	End	8067
GI	none	Score	.65
Exons	5960..6166, 7445..7549, 7891..8067		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86753	Strand	+
Start	5960	End	8067
Name	OJ000122_43.0303.C13.o2.np	Method	AAT/NAP
Start	5963	End	8064
GI	7442279	Score	351
Exons	5963..6166, 7891..8064		
GI Descrip.	probable acyl carrier protein T8F5.6 - Arabidopsis thaliana gi|3335337|gb|AAC27139.1| (AC004512) Similar to acyl carrier protein, mitochondrial precursor (ACP) NADH-ubiquinone oxidoreductase 9.6 KD subunit (MYACP-1), gb|L23574 from A. thaliana. ESTs gb|Z30712, gb|Z30713, gb|Z26204, gb|N37975 and gb|N96330 come from this gene. [Arabidop>		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86754	Strand	-
Start	1	End	3096
Name	OJ000122_43.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	525
GI	6539555	Score	356
Exons	1..525		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86754	Strand	-
Start	1	End	3096
Name	OJ000122_43.0303.C13.o1.gs	Method	GENSCAN
Start	205	End	3096
GI	none	Score	.4
Exons	205..339, 383..572, 863..916, 2820..3096		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13

Gene No.	86755	Strand	-
Start	8627	End	8712
Name	OJ000122_43.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	225	End	666
GI	none	Score	149
Exons	225..425, 244..411, 424..576, 430..558, 634..666		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86755	Strand	-
Start	8627	End	8712
Name	OJ000122_43.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	5942	End	8100
GI	none	Score	69
Exons	5942..6073, 5952..6032, 6083..6181, 6085..6171, 7888..8100, 7888..8067, 7890..8087		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86755	Strand	-
Start	8627	End	8712
Name	OJ000122_43.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	6073	End	8067
GI	none	Score	126
Exons	6073..6171, 6074..6184, 7879..8058, 7888..8067, 7890..8066		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86755	Strand	-
Start	8627	End	8712
Name	OJ000122_43.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	6073	End	8074
GI	none	Score	116
Exons	6073..6171, 6074..6172, 7888..8067, 7890..8066, 7901..8074		

Seq. No.	41772	Seq. ID	OJ000122_43.0303.C13
Gene No.	86755	Strand	-
Start	8627	End	8712
Name	OJ000122_43.0303.C13.o4.gs	Method	GENSCAN
Start	8627	End	8712
GI	none	Score	.83
Exons	8627..8712		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86756	Strand	+
Start	753	End	823
Name	OJ000122_43.0303.C14.o1.gs	Method	GENSCAN
Start	753	End	823
GI	none	Score	.76
Exons	753..823		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86757	Strand	+
Start	4734	End	5906
Name	OJ000122_43.0303.C14.o3.gs	Method	GENSCAN
Start	4734	End	5906
GI	none	Score	.87
Exons	4734..4842, 5354..5620, 5725..5906		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14

Gene No.	86758	Strand	+
Start	7365	End	16516
Name	OJ000122_43.0303.C14.o4.gs	Method	GENSCAN
Start	7365	End	16516
GI	none	Score	.63
Exons	7365..7443, 7499..7666, 7763..7789, 7888..8019, 11773..13420, 13431..13572, 13615..13865, 13965..14301, 14309..14586, 14652..14740, 14760..14987, 15009..15498, 15505..16516		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86758	Strand	+
Start	7365	End	16516
Name	OJ000122_43.0303.C14.o1.np	Method	AAT/NAP
Start	11793	End	16513
GI	5295971	Score	7499
Exons	11793..16513		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86759	Strand	+
Start	17429	End	19401
Name	OJ000122_43.0303.C14.o5.gs	Method	GENSCAN
Start	17429	End	19401
GI	none	Score	.82
Exons	17429..17551, 17731..17735, 18156..18214, 18492..18679, 19287..19401		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o2.ts	Method	TBLASTX:Soybean
Start	5571	End	5927
GI	none	Score	56
Exons	5571..5618, 5575..5619, 5723..5902, 5724..5927		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o2.tc	Method	TBLASTX:Cress
Start	5720	End	5912
GI	none	Score	311
Exons	5720..5902, 5721..5912		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o7.tm	Method	TBLASTX:Maize
Start	5721	End	5906
GI	none	Score	301
Exons	5721..5906, 5726..5902		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o6.tm	Method	TBLASTX:Maize

Start	12176	End	12477
GI	none	Score	45
Exons	12176..12214, 12180..12215, 12185..12412, 12261..12476, 12270..12476, 12415..12477		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	12710	End	13407
GI	none	Score	379
Exons	12710..12985, 12711..12986, 12759..12986, 12968..13000, 12969..12998, 13005..13349, 13065..13349, 13351..13395, 13351..13407		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o2.tw	Method	TBLASTX:Wheat
Start	13377	End	13755
GI	none	Score	256
Exons	13377..13604, 13378..13668, 13435..13683, 13663..13755, 13675..13755		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o8.tm	Method	TBLASTX:Maize
Start	13408	End	13632
GI	none	Score	274
Exons	13408..13632, 13408..13623		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o5.ts	Method	TBLASTX:Soybean
Start	13693	End	13968
GI	none	Score	194
Exons	13693..13968, 13789..13869		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o3.tw	Method	TBLASTX:Wheat
Start	13828	End	14377
GI	none	Score	110
Exons	13828..13968, 14026..14277, 14043..14192, 14293..14364, 14297..14377		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o2.tm	Method	TBLASTX:Maize
Start	14031	End	14455
GI	none	Score	370
Exons	14031..14279, 14035..14277, 14279..14455, 14279..14455		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	14062	End	14539
GI	none	Score	229
Exons	14062..14277, 14067..14279, 14279..14368, 14293..14355, 14393..14539		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o3.tc	Method	TBLASTX:Cress
Start	14077	End	14515
GI	none	Score	132
Exons	14077..14277, 14285..14371, 14393..14515		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o3.ts	Method	TBLASTX:Soybean
Start	14990	End	15481
GI	5509260	Score	224
Exons	14990..15274, 15070..15246, 15269..15373, 15341..15481, 15346..15462		
GI Descrip.	-		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o5.tm	Method	TBLASTX:Maize
Start	15029	End	15334
GI	none	Score	292
Exons	15029..15292, 15067..15246, 15269..15334, 15269..15322		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o1.tw	Method	TBLASTX:Wheat
Start	15157	End	15706
GI	none	Score	121
Exons	15157..15246, 15158..15286, 15269..15352, 15341..15496, 15341..15472, 15482..15706		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o3.tm	Method	TBLASTX:Maize
Start	15533	End	15921
GI	none	Score	465
Exons	15533..15832, 15533..15592, 15535..15783, 15640..15837, 15650..15832, 15768..15836, 15792..15893, 15812..15919, 15821..15919, 15829..15921, 15892..15921		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489

Name	OJ000122_43.0303.C14.o1.gp	Method	AAT/GAP
Start	15706	End	16164
GI	36280_1.R1084	Score	780
Exons	15706..16164		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o4.tw	Method	TBLASTX:Wheat
Start	15707	End	16015
GI	none	Score	64
Exons	15707..15814, 15836..16015		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	15836	End	16480
GI	none	Score	240
Exons	15836..16123, 16136..16195, 16144..16191, 16262..16480, 16270..16476		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o4.ts	Method	TBLASTX:Soybean
Start	15857	End	16489
GI	none	Score	141
Exons	15857..16018, 16030..16131, 16031..16123, 16133..16201, 16135..16173, 16256..16489, 16270..16356		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86760	Strand	-
Start	15706	End	16489
Name	OJ000122_43.0303.C14.o4.tm	Method	TBLASTX:Maize
Start	16108	End	16479
GI	none	Score	44
Exons	16108..16134, 16109..16132, 16124..16477, 16125..16238, 16126..16479, 16142..16477, 16255..16479		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86761	Strand	
Start	17830	End	18658
Name	OJ000122_43.0303.C14.o9.tm	Method	TBLASTX:Maize
Start	17830	End	18658
GI	none	Score	73
Exons	17830..17868, 17830..17868, 18154..18216, 18156..18218, 18157..18219, 18485..18658, 18491..18649		

Seq. No.	41773	Seq. ID	OJ000122_43.0303.C14
Gene No.	86762	Strand	
Start	19284	End	19477
Name	OJ000122_43.0303.C14.o10.tm	Method	TBLASTX:Maize

Start	19284	End	19477
GI	none	Score	212
Exons	19284..19475, 19316..19477, 19326..19469		

Seq. No.	41774	Seq. ID	OJ000122_43.0303.C15
Gene No.	86763	Strand	-
Start	529	End	4562
Name	OJ000122_43.0303.C15.o1.gs	Method	GENSCAN
Start	529	End	4562
GI	none	Score	.67
Exons	529..1242, 1710..1805, 1917..2129, 2269..2331, 2365..2741, 3425..3564, 4375..4562		

Seq. No.	41774	Seq. ID	OJ000122_43.0303.C15
Gene No.	86763	Strand	-
Start	529	End	4562
Name	OJ000122_43.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	553	End	756
GI	none	Score	96
Exons	553..744, 553..756, 554..751		

Seq. No.	41774	Seq. ID	OJ000122_43.0303.C15
Gene No.	86763	Strand	-
Start	529	End	4562
Name	OJ000122_43.0303.C15.o1.np	Method	AAT/NAP
Start	646	End	2626
GI	6453870	Score	1117
Exons	646..1242, 1445..1605, 1710..1805, 1917..2177, 2269..2626		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41774	Seq. ID	OJ000122_43.0303.C15
Gene No.	86763	Strand	-
Start	529	End	4562
Name	OJ000122_43.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	788	End	1790
GI	none	Score	302
Exons	788..1240, 820..1170, 1087..1245, 1419..1559, 1445..1558, 1710..1790		

Seq. No.	41775	Seq. ID	OJ000122_43.0303.C16
Gene No.	86764	Strand	+
Start	1	End	1926
Name	OJ000122_43.0303.C16.o1.np	Method	AAT/NAP
Start	1	End	1429
GI	7486670	Score	351
Exons	1..31, 217..437, 505..626, 865..939, 1025..1429		
GI Descrip.	hypothetical protein F8F16.220 - Arabidopsis thaliana gi|2827535|emb|CAA16543.1| (AL021633) hypothetical protein [Arabidopsis thaliana] gi|7270042|emb|CAB79858.1| (AL161578) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41775	Seq. ID	OJ000122_43.0303.C16
Gene No.	86764	Strand	+
Start	1	End	1926
Name	OJ000122_43.0303.C16.o1.gs	Method	GENSCAN
Start	194	End	1926
GI	none	Score	.97

Exons 194..437, 534..626, 865..939, 1025..1377, 1791..1926

Seq. No. 41775 Seq. ID OJ000122_43.0303.C16
Gene No. 86764 Strand +
Start 1 End 1926
Name OJ000122_43.0303.C16.o1.tm Method TBLASTX:Maize
Start 237 End 1128
GI none Score 277
Exons 237..437, 243..371, 245..436, 289..444, 531..626, 533..625, 863..940, 864..941, 898..960, 997..1128, 1025..1117

Seq. No. 41775 Seq. ID OJ000122_43.0303.C16
Gene No. 86764 Strand +
Start 1 End 1926
Name OJ000122_43.0303.C16.o1.gp Method AAT/GAP
Start 332 End 1238
GI LIB3434-003-P1-K1-F7 Score 792
Exons 332..437, 534..626, 865..939, 1025..1238
GI Descrip. '2827535/emb|CAA16543.1| 1.0e-16 (AL021633) hypothetical protein [Arabidopsis thaliana]'

Seq. No. 41776 Seq. ID OJ000122_43.0303.C17
Gene No. 86765 Strand -
Start 107 End 1808
Name OJ000122_43.0303.C17.o1.gs Method GENSCAN
Start 107 End 1666
GI none Score .85
Exons 107..227, 826..954, 1313..1482, 1553..1666

Seq. No. 41776 Seq. ID OJ000122_43.0303.C17
Gene No. 86765 Strand -
Start 107 End 1808
Name OJ000122_43.0303.C17.o1.np Method AAT/NAP
Start 131 End 1808
GI 4406773 Score 541
Exons 131..215, 820..954, 1313..1482, 1553..1808
GI Descrip. (AC006836) putative AAA-type ATPase [Arabidopsis thaliana]

Seq. No. 41776 Seq. ID OJ000122_43.0303.C17
Gene No. 86765 Strand -
Start 107 End 1808
Name OJ000122_43.0303.C17.o1.tc Method TBLASTX:Cress
Start 825 End 1705
GI none Score 91
Exons 825..974, 1360..1488, 1360..1479, 1367..1465, 1367..1468, 1553..1705, 1562..1591

Seq. No. 41776 Seq. ID OJ000122_43.0303.C17
Gene No. 86765 Strand -
Start 107 End 1808
Name OJ000122_43.0303.C17.o1.ts Method TBLASTX:Soybean
Start 825 End 1696
GI none Score 100
Exons 825..974, 1360..1488, 1360..1479, 1367..1465, 1367..1465, 1553..1696, 1562..1606

Seq. No. 41776 Seq. ID OJ000122_43.0303.C17

Gene No.	86765	Strand	-
Start	107	End	1808
Name	OJ000122_43.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	1310	End	1485
GI	none	Score	185
Exons	1310..1483, 1311..1484, 1321..1485, 1360..1485		

Seq. No.	41776	Seq. ID	OJ000122_43.0303.C17
Gene No.	86765	Strand	-
Start	107	End	1808
Name	OJ000122_43.0303.C17.o2.tm	Method	TBLASTX:Maize
Start	1544	End	1742
GI	none	Score	161
Exons	1544..1741, 1554..1742		

Seq. No.	41777	Seq. ID	OJ000122_43.0303.C19
Gene No.	86766	Strand	-
Start	1	End	618
Name	OJ000122_43.0303.C19.o1.np	Method	AAT/NAP
Start	1	End	618
GI	2498930	Score	703
Exons	1..391, 559..618		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	41777	Seq. ID	OJ000122_43.0303.C19
Gene No.	86766	Strand	-
Start	1	End	618
Name	OJ000122_43.0303.C19.o1.gs	Method	GENSCAN
Start	89	End	618
GI	none	Score	.47
Exons	89..391, 559..618		

Seq. No.	41778	Seq. ID	OJ000102_46.0310.C3
Gene No.	86767	Strand	-
Start	2405	End	2743
Name	OJ000102_46.0310.C3.o1.gp	Method	AAT/GAP
Start	2405	End	2743
GI	72524_1.R1084	Score	430
Exons	2405..2743		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	41779	Seq. ID	OJ000102_46.0310.C6
Gene No.	86768	Strand	
Start	152	End	664
Name	OJ000102_46.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	152	End	533
GI	none	Score	186
Exons	152..532, 168..533		

Seq. No.	41779	Seq. ID	OJ000102_46.0310.C6
Gene No.	86768	Strand	
Start	152	End	664
Name	OJ000102_46.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	359	End	664
GI	none	Score	148

Exons	359..664, 360..647		
Seq. No.	41779	Seq. ID	OJ000102_46.0310.C6
Gene No.	86769	Strand	
Start	1170	End	3077
Name	OJ000102_46.0310.C6.o2.tw	Method	TBLASTX:Wheat
Start	1170	End	3077
GI	none	Score	72
Exons	1170..1406, 1191..1355, 1219..1404, 1443..1613, 1444..1578, 2961..3077		
Seq. No.	41779	Seq. ID	OJ000102_46.0310.C6
Gene No.	86769	Strand	
Start	1170	End	3077
Name	OJ000102_46.0310.C6.o3.tw	Method	TBLASTX:Wheat
Start	2207	End	2605
GI	none	Score	83
Exons	2207..2605, 2307..2582		
Seq. No.	41779	Seq. ID	OJ000102_46.0310.C6
Gene No.	86769	Strand	
Start	1170	End	3077
Name	OJ000102_46.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	2369	End	2629
GI	none	Score	192
Exons	2369..2629		
Seq. No.	41779	Seq. ID	OJ000102_46.0310.C6
Gene No.	86770	Strand	
Start	6293	End	6471
Name	OJ000102_46.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	6293	End	6471
GI	none	Score	200
Exons	6293..6469, 6293..6463, 6295..6471		
Seq. No.	41780	Seq. ID	OJ000102_46.0310.C8
Gene No.	86771	Strand	-
Start	10955	End	11043
Name	OJ000102_46.0310.C8.o1.gp	Method	AAT/GAP
Start	10955	End	11043
GI	5867_1.R1084	Score	129
Exons	10955..11043		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	41781	Seq. ID	OJ000102_46.0310.C9
Gene No.	86772	Strand	+
Start	1372	End	1571
Name	OJ000102_46.0310.C9.o1.gp	Method	AAT/GAP
Start	1372	End	1571
GI	none	Score	396
Exons	1372..1571		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86773	Strand	+
Start	928	End	1343
Name	OJ000102_46.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	218	End	402
GI	none	Score	238
Exons	218..379, 223..396, 250..402		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86773	Strand	+
Start	928	End	1343
Name	OJ000102_46.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	218	End	411
GI	none	Score	240
Exons	218..379, 223..411, 250..408		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86773	Strand	+
Start	928	End	1343
Name	OJ000102_46.0310.C10.o6.tw	Method	TBLASTX:Wheat
Start	218	End	408
GI	none	Score	219
Exons	218..379, 250..408		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86773	Strand	+
Start	928	End	1343
Name	OJ000102_46.0310.C10.o4.tm	Method	TBLASTX:Maize
Start	221	End	411
GI	none	Score	224
Exons	221..379, 223..408, 250..411		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86773	Strand	+
Start	928	End	1343
Name	OJ000102_46.0310.C10.o1.gp	Method	AAT/GAP
Start	928	End	1343
GI	3759837	Score	731
Exons	928..1343		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86774	Strand	
Start	2393	End	2748
Name	OJ000102_46.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	2393	End	2748
GI	none	Score	102
Exons	2393..2518, 2488..2520, 2519..2743, 2547..2729, 2662..2748		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86775	Strand	
Start	2744	End	3513
Name	OJ000102_46.0310.C10.o5.tm	Method	TBLASTX:Maize
Start	2744	End	3513
GI	none	Score	45
Exons	2744..2782, 2807..2896, 2890..3294, 3268..3459, 3436..3513		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86775	Strand	
Start	2744	End	3513
Name	OJ000102_46.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	2962	End	3375
GI	none	Score	345
Exons	2962..3375, 2964..3374		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	3652	End	4566
GI	none	Score	767
Exons	3652..4566, 3675..4094, 4137..4175, 4242..4274, 4321..4494		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	3718	End	4015
GI	none	Score	324
Exons	3718..4014, 3738..3977, 3764..4015		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o7.tw	Method	TBLASTX:Wheat
Start	4018	End	4362
GI	none	Score	93
Exons	4018..4128, 4020..4133, 4138..4290, 4242..4274, 4282..4362		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	4219	End	4745
GI	none	Score	207
Exons	4219..4539, 4560..4745		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	4369	End	4919
GI	none	Score	119
Exons	4369..4566, 4533..4742, 4737..4775, 4803..4919		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o6.tm	Method	TBLASTX:Maize
Start	4572	End	4774
GI	none	Score	191
Exons	4572..4757, 4583..4774		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10

Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	4788	End	5288
GI	none	Score	325
Exons	4788..4985, 4817..5005, 4818..5189, 5091..5189, 5202..5288, 5207..5284		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86776	Strand	
Start	3652	End	5381
Name	OJ000102_46.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	5013	End	5381
GI	none	Score	364
Exons	5013..5381, 5022..5381		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86777	Strand	
Start	5460	End	5750
Name	OJ000102_46.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	5460	End	5750
GI	none	Score	192
Exons	5460..5657, 5495..5656, 5652..5750		

Seq. No.	41782	Seq. ID	OJ000102_46.0310.C10
Gene No.	86778	Strand	
Start	6328	End	6878
Name	OJ000102_46.0310.C10.o3.ts	Method	TBLASTX:Soybean
Start	6328	End	6878
GI	none	Score	71
Exons	6328..6393, 6329..6394, 6487..6585, 6488..6577, 6785..6871, 6786..6878, 6795..6872		

Seq. No.	41783	Seq. ID	OJ000102_46.0310.C11
Gene No.	86779	Strand	
Start	2041	End	2317
Name	OJ000102_46.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	2041	End	2317
GI	none	Score	47
Exons	2041..2292, 2042..2077, 2048..2317, 2066..2089, 2116..2292, 2120..2293		

Seq. No.	41784	Seq. ID	OJ000102_46.0310.C12
Gene No.	86780	Strand	
Start	1162	End	1710
Name	OJ000102_46.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	1162	End	1710
GI	none	Score	75
Exons	1162..1239, 1163..1228, 1321..1419, 1322..1411, 1618..1710, 1627..1707		

Seq. No.	41785	Seq. ID	OJ000102_46.0310.C13
Gene No.	86781	Strand	
Start	665	End	1075
Name	OJ000102_46.0310.C13.o1.tc	Method	TBLASTX:Cress
Start	665	End	1075
GI	none	Score	147

Exons 665..859, 670..861, 1013..1075

Seq. No.	41785	Seq. ID	OJ000102_46.0310.C13
Gene No.	86781	Strand	
Start	665	End	1075
Name	OJ000102_46.0310.C13.o1.ts	Method	TBLASTX:Soybean
Start	733	End	1075
GI	none	Score	127
Exons	733..861, 734..859, 1013..1075		

Seq. No.	41786	Seq. ID	OJ000102_46.0310.C16
Gene No.	86782	Strand	+
Start	666	End	915
Name	OJ000102_46.0310.C16.o1.gp	Method	AAT/GAP
Start	666	End	915
GI	3761181	Score	404
Exons	666..915		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	41787	Seq. ID	OJ000102_46.0310.C18
Gene No.	86783	Strand	+
Start	553	End	1007
Name	OJ000102_46.0310.C18.o1.gp	Method	AAT/GAP
Start	553	End	1007
GI	55683_1.R1084	Score	868
Exons	553..1007		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	41787	Seq. ID	OJ000102_46.0310.C18
Gene No.	86784	Strand	
Start	1018	End	1792
Name	OJ000102_46.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	1018	End	1792
GI	none	Score	105
Exons	1018..1077, 1019..1078, 1295..1348, 1297..1350, 1325..1405, 1463..1579, 1490..1576, 1491..1577, 1671..1790, 1676..1792		

Seq. No.	41788	Seq. ID	OJ000102_46.0310.C19
Gene No.	86785	Strand	
Start	1092	End	1289
Name	OJ000102_46.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	1092	End	1289
GI	none	Score	247
Exons	1092..1286, 1108..1287, 1108..1284, 1109..1285, 1143..1289		

Seq. No.	41789	Seq. ID	OJ000102_46.0310.C20
Gene No.	86786	Strand	+
Start	2785	End	3708
Name	OJ000102_46.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	990	End	1379
GI	none	Score	44
Exons	990..1037, 993..1049, 1047..1127, 1048..1128, 1124..1240, 1125..1241, 1339..1374, 1341..1379		

Seq. No. 41789 Seq. ID OJ000102_46.0310.C20

Gene No.	86786	Strand	+
Start	2785	End	3708
Name	OJ000102_46.0310.C20.o1.gp	Method	AAT/GAP
Start	2785	End	3708
GI	85912_1.R1084	Score	764
Exons	2785..2840, 3338..3708		
GI Descrip.	'4324617/gb|AF106619|AF106619 complete sequence'	4.0e-36	Cloning vector pDR1149

Seq. No.	41790	Seq. ID	OJ000102_46.0310.C21
Gene No.	86787	Strand	
Start	19	End	1023
Name	OJ000102_46.0310.C21.o2.tm	Method	TBLASTX:Maize
Start	19	End	408
GI	none	Score	44
Exons	19..66, 21..77, 22..78, 76..156, 77..157, 152..268, 153..269, 153..269, 154..270, 368..403, 370..408		

Seq. No.	41790	Seq. ID	OJ000102_46.0310.C21
Gene No.	86787	Strand	
Start	19	End	1023
Name	OJ000102_46.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	168	End	1023
GI	none	Score	61
Exons	168..272, 374..403, 408..926, 931..1023		

Seq. No.	41790	Seq. ID	OJ000102_46.0310.C21
Gene No.	86787	Strand	
Start	19	End	1023
Name	OJ000102_46.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	588	End	929
GI	none	Score	39
Exons	588..701, 588..776, 676..774, 813..914, 851..922, 852..929		

Seq. No.	41791	Seq. ID	OJ000102_46.0310.C28
Gene No.	86788	Strand	
Start	9619	End	10054
Name	OJ000102_46.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	9619	End	10054
GI	none	Score	69
Exons	9619..9711, 9621..9713, 9630..9734, 9755..9952, 9948..10004, 10004..10054		

Seq. No.	41792	Seq. ID	OJ000102_46.0310.C29
Gene No.	86789	Strand	
Start	543	End	818
Name	OJ000102_46.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	543	End	818
GI	none	Score	227
Exons	543..818		

Seq. No.	41793	Seq. ID	OJ000102_41.0310.C2
Gene No.	86790	Strand	-
Start	542	End	1217
Name	OJ000102_41.0310.C2.o1.gp	Method	AAT/GAP
Start	542	End	1209
GI	8345_1.R1084	Score	1292

Exons	542..1209		
GI Descrip.	'4538913/emb|CAB39650.1| 1.0e-16 (AL049482) putative protein [Arabidopsis thaliana]'		
Seq. No.	41793	Seq. ID	OJ000102_41.0310.C2
Gene No.	86790	Strand	-
Start	542	End	1217
Name	OJ000102_41.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	602	End	1217
GI	none	Score	48
Exons	602..634, 602..634, 606..635, 662..772, 663..695, 724..1209, 765..1217, 816..1211, 818..1213		
Seq. No.	41794	Seq. ID	OJ000102_41.0310.C3
Gene No.	86791	Strand	
Start	1585	End	1749
Name	OJ000102_41.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	1585	End	1749
GI	none	Score	130
Exons	1585..1698, 1594..1749, 1596..1748		
Seq. No.	41794	Seq. ID	OJ000102_41.0310.C3
Gene No.	86791	Strand	
Start	1585	End	1749
Name	OJ000102_41.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	1585	End	1749
GI	none	Score	168
Exons	1585..1698, 1594..1749, 1596..1748		
Seq. No.	41795	Seq. ID	OJ000102_41.0310.C6
Gene No.	86792	Strand	
Start	581	End	1128
Name	OJ000102_41.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	581	End	1128
GI	none	Score	154
Exons	581..712, 737..964, 946..1128		
Seq. No.	41795	Seq. ID	OJ000102_41.0310.C6
Gene No.	86792	Strand	
Start	581	End	1128
Name	OJ000102_41.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	704	End	964
GI	none	Score	188
Exons	704..964		
Seq. No.	41795	Seq. ID	OJ000102_41.0310.C6
Gene No.	86793	Strand	
Start	1367	End	1681
Name	OJ000102_41.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	1367	End	1681
GI	none	Score	72
Exons	1367..1681, 1419..1562		
Seq. No.	41795	Seq. ID	OJ000102_41.0310.C6
Gene No.	86793	Strand	
Start	1367	End	1681
Name	OJ000102_41.0310.C6.o3.tw	Method	TBLASTX:Wheat

Start	1367	End	1678
GI	none	Score	186
Exons	1367..1678		
Seq. No.	41795	Seq. ID	OJ000102_41.0310.C6
Gene No.	86794	Strand	
Start	1844	End	2200
Name	OJ000102_41.0310.C6.o2.tw	Method	TBLASTX:Wheat
Start	1844	End	2200
GI	none	Score	193
Exons	1844..2200		
Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86795	Strand	+
Start	278	End	617
Name	OJ000102_41.0310.C7.o1.gp	Method	AAT/GAP
Start	278	End	617
GI	none	Score	631
Exons	278..617		
Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86796	Strand	+
Start	1141	End	1358
Name	OJ000102_41.0310.C7.o2.gp	Method	AAT/GAP
Start	1141	End	1358
GI	none	Score	296
Exons	1141..1358		
Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	1419	End	2998
GI	none	Score	346
Exons	1419..1781, 1429..1707, 1993..2094, 1996..2091, 1997..2158, 2165..2257, 2166..2240, 2167..2259, 2225..2266, 2448..2594, 2454..2597, 2474..2605, 2805..2996, 2807..2995, 2825..2998		
Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o2.tc	Method	TBLASTX:Cress
Start	1428	End	2076
GI	none	Score	280
Exons	1428..1781, 1441..1707, 2017..2076, 2023..2073		
Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	1431	End	1768
GI	none	Score	71
Exons	1431..1484, 1431..1766, 1432..1707, 1751..1768		
Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593

Name	OJ000102_41.0310.C7.o5.tw	Method	TBLASTX:Wheat
Start	1542	End	1707
GI	none	Score	65
Exons	1542..1592, 1543..1593, 1584..1706, 1594..1707		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	1993	End	3019
GI	none	Score	132
Exons	1993..2094, 1996..2091, 1997..2113, 2152..2259, 2166..2243, 2219..2266, 2448..2594, 2474..2596, 2805..3005, 2807..3019, 2807..3004		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	1993	End	2265
GI	none	Score	152
Exons	1993..2133, 1996..2091, 1997..2158, 2000..2092, 2058..2093, 2152..2259, 2166..2258, 2167..2265		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o5.tc	Method	TBLASTX:Cress
Start	2167	End	3002
GI	none	Score	81
Exons	2167..2259, 2448..2594, 2475..2600, 2805..3002, 2807..2995		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	2470	End	3036
GI	none	Score	98
Exons	2470..2595, 2475..2594, 2477..2596, 2805..3005, 2806..3036, 2807..3004		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o4.tw	Method	TBLASTX:Wheat
Start	4948	End	5280
GI	none	Score	231
Exons	4948..5280		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o3.gp	Method	AAT/GAP
Start	6752	End	8779
GI	38732_1.R1084	Score	1715
Exons	6752..7500, 8534..8657, 8745..8779		
GI Descrip.	'6094554/gb|AAF03496.1|AC010676_6 2.0e-69 (AC010676) putative		

protein kinase [Arabidopsis thaliana]'

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	6763	End	9484
GI	none	Score	42
Exons	6763..6816, 6895..6972, 6996..7073, 6997..7074, 7069..7104, 7112..7459, 7113..7439, 7113..7475, 7114..7476, 7477..7497, 7478..7504, 8529..8657, 8531..8659, 8532..8672, 8533..8676, 8743..8880, 8745..8879, 8754..8882, 9068..9202, 9072..9209, 9073..9210, 9074..9208, 9301..9483, 9317..9484, 9317..9484		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o3.ts	Method	TBLASTX:Soybean
Start	7051	End	7477
GI	none	Score	40
Exons	7051..7104, 7116..7403, 7134..7475, 7149..7427, 7150..7473, 7237..7404, 7382..7477		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o3.tc	Method	TBLASTX:Cress
Start	7120	End	7475
GI	none	Score	201
Exons	7120..7473, 7155..7475		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	7338	End	8876
GI	none	Score	116
Exons	7338..7475, 7369..7467, 7477..7509, 8529..8657, 8532..8672, 8533..8673, 8743..8796, 8745..8801, 8808..8864, 8808..8876		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o2.ts	Method	TBLASTX:Soybean
Start	8529	End	9593
GI	none	Score	131
Exons	8529..8672, 8532..8672, 8533..8673, 8743..8880, 8745..8879, 8757..8897, 9072..9209, 9074..9208, 9317..9544, 9320..9535, 9357..9545, 9403..9549, 9560..9592, 9561..9593, 9561..9593		

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o4.tc	Method	TBLASTX:Cress
Start	8529	End	8879
GI	none	Score	121
Exons	8529..8657, 8532..8672, 8533..8658, 8748..8804, 8749..8793,		

8787..8879, 8805..8876

Seq. No.	41796	Seq. ID	OJ000102_41.0310.C7
Gene No.	86797	Strand	-
Start	6752	End	9593
Name	OJ000102_41.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	9077	End	9550
GI	none	Score	100
Exons	9077..9205, 9077..9208, 9081..9209, 9317..9550, 9320..9541, 9357..9545		

Seq. No.	41797	Seq. ID	OJ000102_41.0310.C8
Gene No.	86798	Strand	
Start	1751	End	1923
Name	OJ000102_41.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	1751	End	1923
GI	none	Score	181
Exons	1751..1909, 1752..1910, 1762..1923		

Seq. No.	41797	Seq. ID	OJ000102_41.0310.C8
Gene No.	86798	Strand	
Start	1751	End	1923
Name	OJ000102_41.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	1758	End	1910
GI	none	Score	141
Exons	1758..1910, 1760..1909		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	102	End	802
GI	none	Score	120
Exons	102..209, 103..210, 108..215, 292..429, 294..392, 296..430, 301..432, 592..675, 608..676, 764..802, 771..800		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	102	End	871
GI	none	Score	111
Exons	102..206, 102..206, 103..207, 292..429, 293..430, 306..434, 575..676, 591..683, 592..678, 764..871, 770..871		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o2.tc	Method	TBLASTX:Cress
Start	758	End	1176
GI	none	Score	80
Exons	758..862, 973..1176, 992..1114		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o1.tm	Method	TBLASTX:Maize